









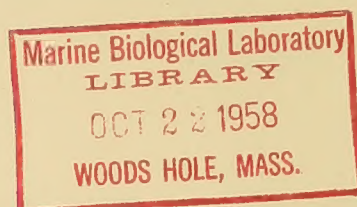




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5

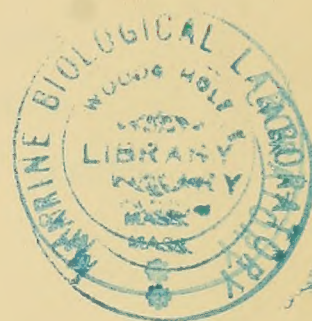
FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS  
Viale delle Terme di Caracalla, Rome, Italy

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CURRENT BIBLIOGRAPHY FOR FISHERIES SCIENCE

prepared by  
Biology Branch, Fisheries Division



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Curr. Bibliogr. Fish. Sci., 1(7)

Rome, September 1958

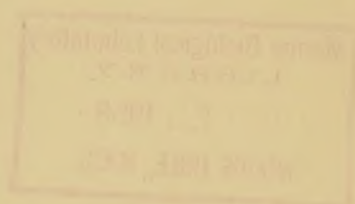
containing: taxonomic index 1(6), geographic index 1(6),  
references and author index to, 582647 - 583210

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[2.1(2)]

FAO/58/10/7477

THE UNIVERSITY OF CHICAGO  
CHICAGO, ILLINOIS, U.S.A.



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## ERRATA

Please correct Errata 1(6) as follows:

580717	<u>Paramocium cilia</u>	should read:	<u>Paramecium cilia</u>
580730	spelling given in original publication is Chthamalus. This name is retained in Index CBFS 1(4):T1 but Nomenclator Zoologicus, vol.1 p.732 lists Chthalamus.		
580882	F	should read:	MF
581107	Pallasii	" "	<u>pallasii</u>

References 1(5) and 1(6) to be corrected:

581450	cockly population size	should read:	cockle population size
582202	seychelles	" "	Seychelles
582321	disctionary	" "	dictionary
582377	nput	" "	input
582499	coral	" "	canal
582505	increasing	" "	inversion



Addenda

<p>Petrenko, I.N. &amp; A.A. 580885 Karasikova (1957) <u>Fish.Ind., Moscow, 33(10):62-3</u> Aminokislyi sostav belkov segoletkov karp i kormov (Amino-acid composition of proteins in carp fingerlings &amp; in their feed)</p> <p>Advantages of the chromatographic method for analyzing proteins contained in fish &amp; their feed, both natural &amp; artificial, animal &amp; vegetal. Rational combination of different feeds.</p> <p>FAO:go F</p>	<p>Kirtisinghe, P. (1957) 580878 <u>Ceylon J.Sci.(Biol.Sci.), 1(1):67-72</u> The vertebral column of the flatfish <u>Psettoodus erumei</u> (Bloch &amp; Schneider) Ill. account of anatomical study, under- taken for taxonomic purposes, of this common sp. in Ceylon trawl fishery.</p> <p>FAO:sjh M</p>
<p>Gandhi, H.P. (1957) 580873 <u>Ceylon J.Sci.(Biol.Sci.), 1(1):45-57</u> The fresh-water diatoms from Radhanagari-Kolhapur</p> <p>Descriptions of several spp. from SW India, of genera <u>Fragilaria</u>, <u>Synedra</u>, <u>Eunotia</u>, <u>Achnanthes</u>, <u>Frustulia</u>, <u>Surirella</u>, <u>Gomphonema</u>, <u>Cymbella</u>, <u>Pinnularia</u> &amp; <u>Stauroneis</u>.</p> <p>FAO:sjh F</p>	



1,00	FISHES, GEN.	581864	581877
		581878	581879
		581894	581895
		581921	581927
		581955	581974
		581976	581978
		581990	581992
		581996	581998
		582018	582021
		582024	582025
		582028	582035
		582037	582039
		582075	582077
		582085	582090
		582096	582098
		582102	582103
		582113	582121
		582159	582160
		582162	582167
		582173	582192
		582198	582242
		582250	582254
		582293	582303
		582306	582328
		582334	582335
		582353	582354
		582361	582379
		582395	582408
		582443	582444
		582450	582451
		582471	582479
		582499	582501
		582506	582527
		582541	582542
		582551	582556
		582565	582583
		582605	582608
		582622	582623
		582638	582639

1,02	Lampretra	581891	582481
	Petromyzon		582566

1,03	Myxine		582240
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1,07	Isurus		581942
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1,08	Hypoprion		581940
	Scoliodon		581935
	Sphyrna		581935
	Triakis		582323

1,09	Acanthorhinus		582397
	Squalus		582221

1,10	Discobatus		582324
	RAJIFORMES		582240

1,17	Acipenser	582426	582432
	ACIPENSERIDAE	582409	582416
		582417	582419
		582425	582426
		582428	582429
		582431	582459
			582478

1,18	Gasterochisma		582332
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1,20	CLUPEIFORMES		582525
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1,21	Alosa	582168	582477
	Anchoa		582168
	Anchoviella		582168
	Brevoortia		582152
	Cetengraulis		582168
	Clupea	581869	581870
		581902	582026
		582085	582088
		582168	582179
		582225	582233
		582409	582466
		582475	582590

	CLUPEIDAE	582610	582626
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		582020	582479
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			582560
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	Dorosoma		582130
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	Engraulis		582168
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	Etrumeus		582168
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	Harengula		582168
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	Lile		582168
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	Lycengraulis		582168
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	Neopisthopterus		582168
--	-----------------	--	--------

	Odontognathus		582168
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	Opisthonema		582168
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	Opisthopterus		582168
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	Pomolobus	582168	582558
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	Sardinella		582239
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	Sardinops	582168	582224
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			582615
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	Tarpon		581907
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1,23	Coregonus	582086	582118
		582178	582453

			582472
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	Cristivomer	582133	582145
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			582347
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	Mallotus		581889
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	Oncorhynchus	582020	582034
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		582097	582140
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		582302	582379
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		582435	582508
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		582562	582602
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			582632
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79839

## 1,23 (continued)

	<i>Salmo</i>	581880	581938	582013
		582073	582132	582137
		582222	582293	582311
		582347	582360	582436
		582458	582513	582514
		582543	582576	582629
	<i>SALMONIDAE</i>		582131	582143
		582295	582296	582409
		582433	582493	582510
			582578	582579
	<i>Salvelinus</i>		581831	582347
	<i>Stenodus</i>		582431	582472
1,24	<i>Esox</i>	581969	582010	582052
				582513
1,39	<i>Electrophorus</i>			582235
1,40	<i>Abramis</i>		581876	582445
	<i>Alburnus</i>			582311
	<i>Barbus</i>			582437
	<i>Carassius</i>		582222	582399
			582553	582646
	<i>Carpiodes</i>			581971
	<i>CYPRINIDAE</i>		582409	582440
	<i>Cyprinus</i>		581848	582307
		582311	582377	582413
		582431	582451	582455
		582456	582457	582474
		582436	582553	582554
	<i>Gila</i>			582142
	<i>Hyborhynchus</i>			582133
	<i>Leuciscus</i>		582311	582447
	<i>Notemigonus</i>		582000	582646
	<i>Notropis</i>		581933	581991
	<i>Pimephales</i>			582646
	<i>Rutilus</i>	581353	582311	582440
				582512
	<i>Squalius</i>			582311
	<i>Vimba</i>		582439	582476
1,41	<i>Ameiurus</i>		582001	582646
	<i>Galeichthys</i>			581936
	<i>Ictalurus</i>		582002	582004
	<i>Noturus</i>			581933
	<i>Saurida</i>			581973
1,43	<i>Anguilla</i>	582067	582351	582464
	<i>Asterionella</i>			582230
1,47	<i>Fodiator</i>			582053
1,48	<i>Gadus</i>	581902	581903	581923
		582020	582137	582133

1,48 *Gadus* (continued)

		582189	582191	582225
		582226	582234	582241
		582289	582392	582469
			582504	582575
	<i>Lota</i>			582240
	<i>Melanogrammus</i>		581911	581923
		582020	582175	582469
		582572	582573	582609
1,50	<i>Eucalia</i>		582009	582401
	<i>Gasterosteus</i>			582236
1,51	<i>Acentronura</i>			582326
	<i>Aeoliscus</i>			582329
	<i>Aulostomus</i>			582329
	<i>Centriscoops</i>			582329
	<i>Centriscus</i>			582329
	<i>Choeroichthys</i>			582326
	<i>Doryrhamphus</i>			582326
	<i>Fistularia</i>			582329
	<i>Haliichthys</i>			582326
	<i>Hippocampus</i>			582326
	<i>Leptoichthys</i>			582326
	<i>Macroramphosus</i>			582329
	<i>Microphis</i>			582326
	<i>Notopagon</i>			582329
	<i>Phycodurus</i>			582329
	<i>Phyllopteryx</i>			582326
	<i>Solegnathus</i>			582326
	<i>Solenichthys</i>			582329
	<i>Stigmatophora</i>			582326
	<i>Syngnathoides</i>			582326
1,57	<i>Chalcalburnus</i>		581353	582439
	<i>Cyprinodon</i>			582376
	<i>Fundulus</i>		582054	582376
	<i>Gambusia</i>		581938	582373
	<i>Lebistes</i>			582524
	<i>Mollinesia</i>			582376
	<i>Oryzias</i>			581952
	<i>Panchax</i>			582549
	<i>Xiphophorus</i>			582524
1,61	<i>Beryx</i>			581937
1,62	<i>Zeus</i>			582272
1,65	<i>Aidaprora</i>			582336
	<i>Allanetta</i>			582336
	<i>Amneris</i>			582336
	<i>Athrinosoma</i>			582336
	<i>Atherinosoma</i>			582373
	<i>Hubbsiella</i>			581972
	<i>Hypoatherina</i>			582336
	<i>Leuresthes</i>			581972

1,65 (continued)

Melanotaenia	582329
Membras	582376
Mugil 582239	582376 582382
Quirichthys	582336
Pseudomugil	582336
Rhadinocentrus	582336
Rhombosoma	582336
Taeniomembras	582336
Tropidostethus	582336

1,70	Alphestes	581932
	CARANGIDAE	582482
	Centrarchidae	582130
	Chaenobrythus	582176
	Cichlasoma	581944
	Cichlaurus	581944
	Coryphaena	581939
	Cynoscion	582153
	Epinephelus	582154 582403
	Etheostoma	581987 582309
	Eucinostomus	582588
	Hadropterus	582309
	Labrus	582272
	Lates	581979
	Lepomis	581905 581934
		581970 582134 582646
	Lucioperca	582409 582441
		582445 582447 582511
	Lutjanus	582151 582567
	Micropterus	582134 582135
		582144
	Mullus	582184
	Mycteroperca	582154
	Perca	582139 582178 582311
		582483 582512
	Percina	582309
	Pomoxis	582146 582646
	Roccus	582136
	SCIANIDAE	582482
	SCORPAENIDAE	582055
	Spondyllosoma	582272
	Stizostedion	582139 582178
		582511
	Taius	581973
	Tilapia	581381 581440 581824
		581999 582521

1,71	BLENNIIDAE	581903
	Clinus	582402
	Tripterygion	582402

1,74	GEMPYLIDAE	581945
	Thyrsites	581979

1,75	HISTIOPHORIDAE	582155
	Rastrelliger	582053
	Sarda	581305 581526 581775
		581782 581787 581808
		582300
	Scomber	582020
	SCOMBRIDAE	582560

1,76	Betta	582519
	Hyperoglyphe	582332

1,77	Gobius	582522
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1,78	Cottus	582014
	Myoxocephalus	582404
	Sebastes	582059 582552

1,80	Germo	581968 582180 582185
		582604
	Katsuwonus	582563 582564
		582613
	Neothunnus	582194 582563
		582564
	THUNNIFORMES	581902 581979
		582020 582022 582126
		582288 582359 582577
		582625
	Thunnus	582181 582517

1,81	PLEURONECTIFORMES	582020
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1,83	Cynoglossus	582322
	Hippoglossus	581953 581954
		582020 582404
	Pleuronectes	581921 582240
		582273 582289 582307
	Solea	581413 581530 582289

1,97	Acanthopegasus	582329
	Parapegesus	582329
	Pegasus	582329

1,99	FISHES, MISC.	581844 581854
		581856 581860 581861
		581871 581875 581882
		581883 581884 581906
		581941 581943 581856
		581957 581965 581979
		581981 581985 581986
		581993 581997 582005
		582006 582007 582008
		582011 582012 582016
		582042 582051 582056
		582057 582062 582063
		582066 582068 582069
		582070 582089 582095

## 1,99 FISHES, MISC. (continued)

582097	582099	582101
582105	582106	582108
582109	582110	582112
582128	582129	582141
582147	582157	582158
582178	582186	582239
582240	582294	582305
582352	582357	582358
582362	582391	582393
582396	582405	582407
582409	582441	582412
582413	582414	582415
582418	582419	582421
582422	582423	582442
582460	582462	582468
582470	582473	582485
582487	582498	582521
582529	582548	582552
582555	582568	582571
582581	582582	582534
582589	582593	582594
582598	582599	582600
582601	582603	582606
582614	582617	582619
582620	582627	582630
582631	582632	582633
582635	582636	582643
		582645

## 2,00 CRUSTACEANS, GEN.

581895	581921	581975
581976	581996	582071
582090	582091	582113
582121	582122	582198
582197	582239	582246
582254	582259	582293
582306	582328	582344
582354	582355	582379
582395	582442	582443
582446	582448	582451
582455	582479	582480
582484	582486	582487
582499	582502	582506
582518	582527	582542
		582127

## 2,02 Artemia

581917

## 2,05 Bosmina

582230

## CLADOCERA

582406

## Daphnia

582119

## Evadne

582277

## 2,10 Acartia

581959

## Acartia

582323

## Calanus

582234

## 2,10 (continued)

Centropages	581959
Eurytemora	581959
Lerneocera	581923
Paracyclops	582231
Temora	581959

## 2,11 Argulus

582324

## 2,13 Balanus

582282

Chthamalus 582282

Elminius 581917 582286

THORACICA 582526

Verruca 582282

## 2,20 Neomysis

582547

## 2,23 Idotea

581925

Limnoria 582523

## 2,24 Haustorioides

582229

## 2,27 DECAPODA

582117

## 2,28 Hippolytina

582165

Hymenopenaeus 582150

Leander 582165

Metapenaeus 582165 582193

NATANTIA 581900 582190

582611 582616

Palaemon 582290

Parapeneopsis 582165

PENAEIDAE 582020 582032

582149 582157 582580

582592 582597 582617

582627 582628 582636

Penaeus 582148 582165

582262 582574

## 2,29 Astacus

581926

Callinectes 582244 582559

Cambarellus 582375

Cambarus 582244

Cancer 582561

Carcinus 581926 582265

Eupagurus 581926 582279

Homarus 581926 581946

582020 582201 582244

582265 582299 582586

582587 582607

Maja 581926 582265

Palinurus 581926

PALINURIDAE 582325 582595

582624

Panulirus 582120

Paralithodes 582569 582570

REPTANTIA 581846

2,99	CRUSTACEANS, MISC.	581856	
	581902 582012	582016	
	582033 582057	582089	
	582095 582097	582099	
	582105 582108	582110	
	582112 582294	582393	
	582396 582529	582548	
	582581 582584	582594	
	582600 582601	582631	
		582635	
3,00	MOLLUSCS, GEN.	581892 581895	
	581921 581975	581976	
	581996 582071	582090	
	582091 582113	582121	
	582122 582127	582197	
	582198 582239	582246	
	582254 582259	582285	
	582293 582306	582328	
	582344 582354	582355	
	582379 582395	582442	
	582443 582446	582448	
	582451 582455	582479	
	582480 582484	582486	
	582487 582499	582502	
	582506 582527	582542	
3,05	GASTROPODA	582117	
3,07	Patella	582223	
	Trochus	582166	
3,10	Pyræzus	582373	
	TAENIOGLOSSA	582087	
3,11	Aplysia	582343	
	Clyone	582271	
3,14	Spartina	582262	
3,15	PELECYPODA	582029 582030	
		582094	
3,16	Crassostrea	582196	
	Mytilus	582343	
	Ostrea	581972 582281	
	OSTREIDAE	582020 582072	
	582122	582347 582530	
	582612	582614 582634	
	Pecten	581918 582019	
	Pinctada	581980 581914	
		582331 582338	
	Placopecten	581910	
3,17	Cardium	582094	
	Donax	582384	
	Scrobicularia	581922 582283	

3,21	DIBRANCHIA	582516	
	Octopus	581846 582201	
	Sepia	582201	
3,99	MOLLUSCS, MISC.	581856 581860	
	581861 581902	581965	
	582012 582016	582033	
	582057 582089	582095	
	582097 582099	582105	
	582108 582110	582112	
	582294 582393	582396	
	582529 582548	582581	
	582584 582594	582596	
	582600 582601	582631	
		582635	
4,00	MAMMALS, GEN.	581864	
4,06	Erignathus	582507	
	Halichoerus	582404	
	Phoca	582404	
	PINNIPEDIA	581858 581859	
	582082 582291	582344	
	582397 582405	582515	
		582526 582631	
4,21	CETACEA	581902 582111	582368
		582502 582621	582644
4,23	Megaptera	582238	582367
4,97	MAMMALS, AQUATIC	582527	
5,00	AMPHIBIANS, GEN.	581864	
5,05	Desmognathus	582117	
5,10	Pelobates	581949	
5,11	Hyla	581912	
	Pseudacris	581950	
5,12	Rana	581930 581949	
5,29	AMPHIBIANS, MISC.	581866	
		581948	
5,30	REPTILES, GEN.	581864	
5,31	CHELONIA	581867 581868	
	Chelydra	582251	
	Chrysemys	582247 581947	
	Clemmys	582251	
	Dermochelys	582251	
	Graptemys	582247	
	Sternothaerus	582247	
	Testudo	582251	

5,36	ALLIGATOR		582251	6,35	ACANTHOCEPHALA		582405
	CROCODYLIDAE		581913		Corynosoma		582404
5,49	REPTILES, MISC.	581948	582527	6,37	Aneureopsis		582495
5,50	AVES		581864		Brachionus		582495
5,63	Phoenicopterus		582190		Dicranophorus	582398	582495
5,64	Anas		582365		Eosphora		582495
5,68	Haematopus		582094		Euchlanis		582495
	Larus		582373		Hexarthra		581847
5,87	BIRDS, AQUATIC	581899	581960		Keratella		582495
		582202	582310		Mytilina		582495
			582413		Notholca		582495
6,05	Haemogregarina		582402		Notommata		582495
6,07	Triactinomyxon		582438		Platyias		582495
6,11	Paramaecium		582047		Ptygura		582495
6,13	PORIFERA	582060	582061		Rotaria		582495
		582156	582533		ROTATORIA	581931	582489
			582588			582537	582539
6,15	Cliona		582400		Trichocerca		582495
	Halichondria		582532		Trichotria		582495
	Reniera		582532	6,42	Bugula		582520
6,17	Armorhydra		582044	6,43	Macandrevia		582177
	Cordylophora		582389	6,45	Krohnitta		582256
	Krampella		581916	6,45	Sagitta		582256
	Otohydra		582215	6,47	Nerilla		581852
6,18	Charybdea		582211	6,48	POLYCHAETA		581888
	Chironex		582211	6,49	Ceratocephala		581972
	Chiropsalmus		582211		Eunice		581972
6,19	Actinia		582046		Gattyana		581920
6,26	Anchorophorus		582322		Harmothoe		581920
	Diplectanum		582403		Lagisca		581920
	Gyrodactylus		582009		Odontosyllis		581972
6,27	Cestrahelmins		582010		Platynereis		581972
	Proctoeces		582233		Polynoe		581920
	Stictodora		582373	6,50	Arenicola	582270	582287
	Trichobilharzia		582365		Chaetopterus		581927
6,30	Triaenophorus		582506		Owenia		582287
6,31	Eunemertes		582216		Polydora		582045
6,33	NEMATODA		582194		Pomatoceros		582274
					Sabellaria		581919
					Spirorbis		581972
				6,51	Enchytraeus		582557
					ENCHYTRAIDAE		582421
					Tubifex		582488
				6,56	Limulus		581927
				6,57	ARACHNIDA		582117

6,62	ACARINA		581849
6,63	LINGUATULIDA, TARDIGRADA, PYCNOGONIDA		581849
6,66	INSECTA	581873 582117	582049 582461
6,82	TRICHOPTERA		581874
6,87	Aedes CHIRONOMIDAE Clunio		581915 582421 581972
6,91	ASTEROIDEA		582612
6,93	Echinus ECHINOIDEA Psammochinus	582232	582276 582041 582232
6,97	INVERTEBRATES; AQUATIC	581857	
		581892 581895 581921	
		581975 581976 581996	
		582033 582057 582071	
		582090 582091 582113	
		582116 582121 582122	
		582127 582138 582173	
		582190 582197 582198	
		582239 582246 582254	
		582259 582285 582293	
		582306 582344 582354	
		582355 582379 582395	
		582442 582443 582446	
		582448 582451 582455	
		582479 582480 582484	
		582486 582487 582499	
		582502 582506 582527	
			582542
7,00	ALGAE, GEN.	581892 581895	
		581921 581995 581996	
		582071 582090 582091	
		582113 582121 582122	
		582127 582174 582182	
		582197 582198 582254	
		582259 582261 582306	
		582344 582354 582355	
		582359 582369 582379	
		582380 582386 582395	
		582442 582443 582448	
		582450 582451 582454	
		582479 582480 582497	
		582499 582500 582502	
			582527
7,01	CHLOROPHYCEAE		582275

7,03	Chlamydomonas	582115	582385
	Haematococcus		582385
	Polytoma		582264
	Sphaerella		582115
7,06	Chlorella	582199	582217
			582263
	Scenedesmus	582115	582199
			582200
7,08	Enteromorpha		581919
	Ulva		581919
7,11	Cladophora		582227
7,16	DESMIDIACEAE		582538
	Staurostrum		582491
7,18	Chara		582114
7,31	CHRYSOPHYCEAE		582275
7,41	BACILLARIOPHYCEAE		581924
		582206 582207 582208	
			582275 582490
7,43	Achnanthes		582208
	Nitzschia		582050
	Phaeodactylon		582252
7,51	CRYPTOPHYCEAE		582275
7,61	DINOPHYCEAE	582275	582546
7,63	Exuviella		581928
7,65	DINOFLAGELLATA		582182
7,66	Gymnodinium	582376	582378
7,70	Euglena		582382
7,77	Laminaria		582205
7,80	Ascophyllum		582205
	Fucus	581919 581929	582205
7,37	Chroodius	582040	582205
	Gigartina	581919	582040
7,95	Anabaena		582218
	Anacystis		582218
7,99	ALGAE, MISC.	581863	581956
		581957 581965	582016
		582057 582117	582200

7,99	ALGAE, MISC. (continued)		
		582208	582374 582475
		582492	582535 582536
8,01	BACTERIA*	582281	582383
		582448	582484
	Bacterium		582031
	Flavobacterium		582376
8,33	Ichthyophonus		582524
8,37	Saprolegnia	582418	582429
9,16	Isoetes		582114
9,43	Elodea		582050
	Najas		582114
	Potamogeton		582114
	Sagittaria		582114
	Vallisneria		582114
	Zostera	582341	582342
9,44	Juncus		582114
9,45	Eriocaulon		582114
9,46	Eleocharis		582114
9,70	Ceratophyllum		582114
	Ranunculus		582114
9,72	Elatine		582114
9,75	Myriophyllum		582114
9,86	Gratiola		582114
9,97	HIGHER PLANTS, AQUATIC		
		581863	582451 582506
9,99	HIGHER PLANTS, MISC.		581860
		581861	581965

\* Sub-divisions with aquatic forms.

100	AFRICA	581867	582500	232	Utah		582142
		581868		233	Montana	581948	582254
113	Morocco	582357	582358	233	Wyoming		582137
123	Sudan	582261	582596	234	Iowa	581969	581971
135	Seychelles	582192	582202			581970	582646
146	French Cameroons	581883		234	Minnesota	582005	582139
147	Ruanda-Urundi	582536				582052	582178
151	Angola	582087				582128	
152	South West Africa	582594	582595	234	Missouri	582129	582146
154	Union of South Africa	582310	582497	234	Wisconsin	582114	582144
				234	Illinois	582204	582549
				234	Michigan	581981	582309
200	NORTH AMERICA			234	Kentucky	582309	
				234	Ohio	582116	582389
210	<u>Canada</u>	581856	582393	235	Oklahoma	581947	582130
		581017	582404			582127	
		581291	582505	235	Texas	581939	581985
		581293	582529			581984	
		581294	582530	235	Arkansas	581998	582004
		582319	582585	235	Tennessee	581996	582309
		582341	582586			582207	
		582347	582587	235	Mississippi		581936
211	Canadian Arctic	582260	582507	235	Alabama		582141
		582314		236	USA, New England	582601	582608
212	British Columbia	581844	581845	236	Maine	582145	582558
213	Manitoba	581906	582506	236	Massachusetts		582546
		582401		237	New York	581950	582547
214	Ontario	582401				581982	582612
215	Quebec	582491		237	New Jersey	582308	582547
216	Newfoundland	582400		237	Virginia	582582	582620
217	New Brunswick	582040	582400			582619	
		582298		237	Pennsylvania	581933	581974
217	Nova Scotia	581910	581946	238	North Carolina	582256	
217	Prince Edward I.	582342	582400	238	South Carolina	582136	582617
220	<u>Alaska</u>	582118	582570			582545	
		582259	582602	238	Georgia	582117	582378
		582379	582631	238	Florida	581986	582156
		582565				581993	582161
230	<u>United States</u>	581864	582302			582071	582162
	<u>of America</u>	581983	582306			582148	582380
		582003	582344			582155	582580
		582097	582550	240	<u>Bermudas</u>	581945	582154
		582143	582581			582120	
		582186	582621	250	<u>Greenland</u>		582313
		582296					
231	Washington State	582140	582618	300	LATIN AMERICA		
		582257					
231	Oregon	581901	582576	311	Mexico	581860	581903
		582014	582632			581861	582158
232	California	581873	582540	312	Guatemala		582066
		581972	582560	315	Panama	582253	582592
		582014	582561	317	Honduras		582012
		582073	582562	321	British West Indies		581932
		582113	582563	321	Bahamas	581904	581942
		582174	582564			581940	
		582354	582603	322	Cuba	582157	582624
		582355	582604			582588	
		582359	582615				

334	Surinam	582597	582628	533	England	582208	582289
		582627	582636			582250	582390
341	Ecuador		582589			582270	582490
351	Brazil	582239	582638			582271	582511
353	Argentina	582089				582272	582520
						582278	582523
400	ASIA (excl.U.S.S.R.)					582285	
415	Aden		582584	534	Scotland	582210	582277
421	Pakistan		582635			582246	582387
423	India	582164	582290			582273	
		582165	582528	535	Northern Ireland	581929	
424	Ceylon		581866	541	Portugal	581902	
425	East Pakistan		581900	542	Spain	582179	582182
438	Vietnam		582096			582180	582184
441	Chinese People's Republic		582323			582181	
442	Hong Kong		582633	556	Turkey	581851	582300
444	Korea		582096			581852	582303
451	Japan		582623	561	Germany	581853	582304
				561	Federal Republic of Germany	582099	582539
500	EUROPE					582100	582105
510	Scandinavia	582035	582124			582101	582106
511	Denmark		581899			582102	582107
513	Iceland		582590			582102	582108
514	Norway	582075	582397	572	Poland	582103	582109
		582076	582544	573	Czechoslovakia	582104	582645
		582177	582591				582593
		582212	582626			581847	581406
		582396				581848	581538
515	Svarbard		582313	600	OCEANIA		
516	Sweden	581988	582543	610	<u>Australia</u>	581884	582334
		581989	582600			581912	582335
		582123	582629			581914	582336
		582232	582630			582022	582338
		582542				582238	582364
517	Finland	581875	582085			582325	582370
		581876	582086			582326	582371
		581878	582088			582329	582372
		581880	582360			582331	
		581881	582361	612	Western Australia	581979	582366
		581882	582362			582193	
521	Netherlands	582231	582499	613	South Australia		582369
		582488		615	New South Wales	582332	582365
524	France	582215	582625	637	Chatham Is.		582537
		582489		641	French Oceania		582577
531	Ireland	581956	582513	641	Tuamotu Archipelago		582526
		581957	582514	673	Caroline Is.		582526
532	United Kingdom	581918	582032	674	Marshall Is.		582526
		581919	582167				
		581925	582213	700	UNION OF SOVIET SOCIALIST REPUBLICS	582411	582411
		581929	582328			582051	582412
		582019				582078	582413
						582079	582424
						582096	582440
						582407	582471
						582408	582598
						582409	582599
							582623

710	<u>Russian F.S.S.R.</u>	581890	582446	I	INDOPACIFIC OCEAN	581887	582346
		582229	582447			581894	582613
		582429	582455			582214	
		582430	582457	IN	<u>Pacific, North</u>	581858	582509
		582434	582459			581859	582515
		582435	582462			581888	582531
		582439	582466			581953	582565
		582441	582473			581954	582574
		582442	582476			581968	582575
		582443				582080	582611
		582445				582268	582616
716	Novosibirskiye	582082	582083			582508	
	Ostrova			IN.02	Sea of Okhotsk		581888
740	<u>Byelorussian S.S.R.</u>		582464	IS	<u>Tropical Indopacific</u>	582166	582402
751	<u>Ukrainian S.S.R.</u>	582453	582456			582168	582403
752	<u>Moldavian S.S.R.</u>		582465			582211	
763	<u>Azerbaijan S.S.R.</u>		582478	ISW	Indian Ocean	582192	582340
				ISW.06	Bay of Bengal		582305
A	ATLANTIC OCEAN	581869	581977	ISEW	Indopacific, Central		582194
		581870	582203	ISEW.02	South China sea		582324
				ISEW.04	East China sea	581973	582324
AN	<u>Atlantic, North</u>	582288	582573	ISEW.05	Yellow Sea		581973
		582467	582609	ISEW.18	Coral sea		582237
		582560	582610	P	POLAR SEAS		582320
		582572		PN	<u>Arctic Ocean</u>	582317	582318
ANW	Atlantic, North-west	581911	582530	PSE.02	Tasman sea		582237
		582244	582535	PSEW	South Polar Seas	581892	582091
		582391	582571			582090	
ANW.06	Chesapeake Bay		582559	L	INLAND SEAS AND INTERTERRITORIAL		
ANW.07	Bay of Fundy	582400	582503		LAKE SYSTEMS		
ANE	Atlantic, North-east	582095	582207	L.11	East African Lakes	582493	582521
		582206		L.21	American Great Lakes	581898	582566
ANE.01	White Sea	582472	582475			582133	582583
ANE.02	Barents Sea	581889	582469			582135	582605
ANE.04	North Sea	582188	582241			582381	
ANE.08	English Channel	582265	582522	L.72	Caspian sea	582424	582463
		582269				582431	582473
ASW	Atlantic, South-	581955	582150			582441	582478
	West	582126	582152			582442	582551
ASW.01	Gulf of Mexico	581937	582262			582443	
		582148	582567	L.73	Aral sea		582556
		582149	582568	L.75	L. Baikal	581885	582084
		582151	582606				
ASW.02	Caribbean sea		582159				
ASE	Atlantic, South	581976	582206				
	East	582180	582207				
		582181					
ASE.03	Mediterranean sea,	581975	582182				
	Western	582043	582184				
		582179	582267				
ASE.05	Mediterranean sea,		581966				
	Eastern						
ASE.09	Sea of Marmara	581851	581852				
ASE.10	Black sea	581851	482477				
		582424	582480				
		582436	582482				
		582437					
ASE.11	Sea of Azov	582429	582477				
		582447	582479				



Lindquist, A. (1958) 582647  
Rep.Inst.mar.Res.Lysekil, (9):23  
 Fischerei-biologische Untersuchungen  
 an der Moorforelle in der Provinz  
 Bohuslän (Schweden) (Fishery  
 biological investigations on sea trout  
 in the province of Bohuslän (Sweden))

Statistics of Salmo trutta from the  
 province; data on length-weight & age-  
 length relations during the sea life of  
 the sp.

FAO:tl

MF

Barnes, H. & M. Barnes (1958) 582650  
Veröff.Inst.Meeresf., 5:160-4  
 Note on the opening response of Balanus  
balanoides (L.) in relation to salinity  
 and certain inorganic ions

Results of experiments designed to  
 investigate some of the factors involved  
 in the stimulation of cirral activity.

GLK:tl

M

Dietrich, R. & W. Höhnk (1958) 582648  
Veröff.Inst.Meeresf., 5:135-42  
 Über das Öl des submers lebenden Pilzes  
Ceratostomella spec. (Sphaeriales,  
 Ascomycetes) (On the oil of the sub-  
 merged living fungus Ceratostomella spec.  
 (Sphaeriales, Ascomycetes))

Results of chemical analysis of the  
 quality of the oil.

GLK:tl

MF

Bursche, E.-M., H. Kühl & 582651  
 H. Mann (1958)  
Veröff.Inst.Meeresf., 5:165-92  
 Hydrochemie und Phytoplankton in der  
 Unterelbe (Hydrochemistry and phyto-  
 plankton of the lower Elbe)

Chemical data of the lower part of the  
 river & list of spp. of marine & fresh  
 water algae & plants occurring in the  
 investigated localities.

GLK:tl

MF

Rotthauwe, H.-W. (1958) 582649  
Veröff.Inst.Meeresf., 5:143-59  
 Untersuchungen zur Atmungsphysiologie  
 und Osmoregulation bei Mytilus edulis mit  
 einem kurzen Anhang über die Blut-  
 konzentration von Dreissensia polymorpha  
 in Abhängigkeit vom Elektrolytgehalt des  
 Aussonmediums (Investigations on the  
 physiology of breathing & osmoregulation  
 in Mytilus edulis with a short appendix  
 on blood concentration dependent on  
 electrolyte content of the outer medium  
 in Dreissensia polymorpha.)

Contents as per title.

GLK:tl

MF

U.K. Institute of Seaweed 582652  
 Research (1958)  
Inveresk, Midlothian, 23 p.  
 Annual report for 1957

Review of developments in industrial  
 uses of algae; report of the Institute's  
 information & technical assistance  
 services, research in ecology, research  
 carried out by universities under  
 contract; selected lists of publications  
 with abstracts.

FAO:glk

M

Anonymous (1958)  
New Scient., 4:444  
The Cromwell Current

582653

A note on the mapping of this newly discovered sub-surface equatorial current in the Pacific by vessels of the Scripps Institution of Oceanography.

FAO:sjh

M

Rothschild, L. (1958)  
Biol.Rev., 33:372-92  
Fertilization in fish and lampreys

582656

An account of experiments under the headings: Life span of the gametes; Morphological changes during activation; Anomalies; Sperm-egg interacting substances; & Metabolic changes at fertilization.

FAO:sjh

MF

Tiegs, O.W. & S.M. Manton (1958) 582654  
Biol.Rev., 33:255-337  
The evolution of the Arthropoda

Incl. much information on various aspects of the biology of aquatic forms especially crustacea & pycnogonida.

FAO:sjh

MF

Bussati-Traverso, A.A. & W.H. Schmidt (1958) 582657

Experientia, 14:231-2

An experiment in the design of a scientific conference

A note on the organization of the international meeting on "Perspectives in Marine Biology" held at La Jolla, California, in 1956.

FAO:sjh

M

Chapman, G. (1958) 582655  
Biol.Rev., 33:338-71  
The hydrostatic skeleton in the invertebrates

A detailed review of the supporting functions of the body wall & fluids in the invertebrate groups, dealing mainly with aquatic forms.

FAO:sjh

MF

Ross, A.D. (1958) 582658  
Aust.J.Sci., 20:231-3  
Pan Indian Ocean Science Congress -  
Tananarive Meeting

Short report of congress, which considered some oceanographic questions, & text of resolutions.

GLH:sjh

M

<p>Michaclis, A.R. (1958) 582659  <u>Research, Lond.</u>, 11:266-75  High-speed cinematography</p> <p>Incl. ill. notes on use of this technique for studying fish movements, clam gill movements, etc.</p> <p>FAO:sjh MF</p>	<p>Tåning, Å.V. (1958) 582662  <u>Dansk FiskTid.</u>, 76:489-90  Angående oventuel udklækning og udsættelse af hummoryngel (On oventual hatching and transplantation (stocking) of lobster larvae)</p> <p>Notes on the possibilities of conservation of lobster stocks &amp; review of the results of Danish &amp; foreign investigations on hatching &amp; transplantation of lobster larvae.</p> <p>FAO:tl M</p>
<p>Sparshott, S.M. (1958) 582660  <u>Young Scient.</u>, 1(3):19-22  An ecological survey</p> <p>Report on an exploratory survey of a small lake in the Nene Valley, Northampton, England.</p> <p>FAO:sjh F</p>	<p>Gordon, H. &amp; M. Gordon (1957) 582663  <u>J.Genet.</u>, 55(1):1-44  Maintenance of polymorphism by potentially injurious genes in eight natural populations of the platyfish, <u>Xiphophorus maculatus</u></p> <p>Comparative study of micromelanophore patterns in samples of adults from rivers of SE Mexico &amp; NE Central America (Guatemala &amp; British Honduras).</p> <p>FAO:sjh F</p>
<p>Nielsen, B.R. (1958) 582661  <u>Dansk FiskTid.</u>, 76:477  25,000 kvadratkilometer fiskeribanker, hvor der endnu ikke drives fiskeri (25,000 square kilometers of fishing grounds where fishery is not yet carried on)</p> <p>Notes on fishery resources in the Indian Ocean &amp; possibilities of their exploitation in the future.</p> <p>FAO:tl M</p>	<p>Acton, A.B. (1957) 582664  <u>J.Genet.</u>, 55(1):61-94  Chromosome inversions in natural populations of <u>Chironomus tentans</u></p> <p>A study of samples of <u>C. tentans</u> taken from a pond in Berkshire, England.</p> <p>FAO:sjh F</p>

Tysser, H.F. (Ed.) (1958) 582665  
British Continental Trade Press Ltd.,  
London, 465 p.  
Fisheries Year-book and Directory 1958

Contains papers (582666, 582667, 582668,  
582669, 582670, 582671, 582672, 582673,  
582674, 582675, 582676, 582677, 582678,  
582679, 582680, 582681, 582683) & also  
classified directories to individuals  
& organizations concerned with the  
fishing industry in U.K.

FAO:sjh

MF

Olafsson, D. (1958) 582668  
Fish.Yearb.Direct., 1958,:49-56  
Icelandic fisheries and exports

FAO:

M

Anonymous (1958) 582666  
Fish.Yearb.Direct., 1958,:13-37  
Around the world

Reports on the fishing industries,  
catches, imports, exports, canning,  
curing & consumption in Angola,  
Argentina, Australia, Belgium, Brazil,  
Canada, Israel, Italy, New Zealand,  
North Korea, Poland, Thailand, Turkey,  
United States of America, U.S.S.R. &  
Yugoslavia.

FAO:sjh

MF

Poderson, O. (1958) 582669  
Fish.Yearb.Direct., 1958,:57-61  
Denmark's fishing industry

FAO:

M

Anonymous (1958) 582667  
Fish.Yearb.Direct., 1958,:39-48  
The British fishing industry

FAO:

M

Anonymous (1958) 582670  
Fish.Yearb.Direct., 1958,:62-4  
The Netherlands

Review of the fishing industry during  
1957, production, exports & imports.

FAO:sjh

M

Nesock, G. (1958)  
Fish.Yearb.Direct., 1958, :65-8  
Western Germany's trade

582671

Hardy, E. (1958)  
Fish.Yearb.Direct., 1958, :89-128  
Fish varieties on the market

582674

Detailed descriptions & illustrations  
of fish of commercial value, their  
scientific names, seasons & uses.

FAO:

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FAO:sjh

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Finn, D.B. (1958)  
Fish.Yearb.Direct., 1958, :69-74  
F.A.O.'s work in fisheries

582672

Hardy, E. (1958)  
Fish.Yearb.Direct., 1958, :129-37  
Practical guide to shellfish

582675

An index to the treatment & processing  
of the most important shellfish.

FAO:

MF

FAO:sjh

M

Graham, M. (1958)  
Fish.Yearb.Direct., 1958, :75-9  
Fisheries research, 1957

582673

Anonymous (1958)  
Fish.Yearb.Direct., 1958, :138-49  
Fish supply calendar

582676

Arctic cod, herring, hydrography,  
catching & conservation, near water  
fisheries, shellfish, electric fishing.

FAO:sjh

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Anonymous (1958)  
Fish.Yearb.Direct., 1958,:150-3  
Dictionary of fish names

582677

Anonymous (1958)  
Fish.Yearb.Direct., 1958,:173-6  
Fishing nets of synthetic fibres

582680

The use of man-made fibres in the  
fishing industry.

FAO:

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FAO:sjh

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Anonymous (1958)  
Fish.Yearb.Direct., 1958,:155-65  
Organizations and trade associations

582678

Contents as per title.

FAO:sjh

M

Anonymous (1958)  
Fish.Yearb.Direct., 1958,:177-201  
Fishing vessel constructions and  
equipment

582681

The need for more efficient tonnage;  
trends in new construction,  
diesel-electric propulsion; German-  
built 725-ton motor trawlers;  
Aberdeen-built 120 ft. trawler;  
motor trawler with first turbocharged  
British Polar Engine; bridge  
control for motor trawlers;  
new type of fish factory ship; first  
Vosper-built trawler; motor trawler  
with new hull form; first free-piston

Anonymous (1958)  
Fish.Yearb.Direct., 1958,:167-72  
Trade journals of interest to the  
fishing industry

582679

Contents as per title.

FAO:sjh

M

engined trawlers; the Aberdeen-  
built "Alexander Bruce"; stern-  
trawling fish factory ship.

582681  
(Card 2)

FAO:sjh

M

Anonymous (1958) 582683  
Fish. Yearb. Direct., 1958, :201-5  
Developments in marine equipment

FAO. M

Anonymous (1958) 582684  
Now Scient., 4:467  
Cleaner beaches

Editorial comment on the coming into  
force of the international convention  
for the prevention of the pollution of  
the sea by oil.

FAO:sjh M

Bainbridge, R. (1958) 582685  
Now Scient., 4:476-8  
The locomotion of fish

An all. account of experiments with  
trout, dace & goldfish, with description  
of new instruments used to study this  
process; refers also to typical  
movements of Ostracion, Anguilla,  
Scomber, Gymnarchus, Hippocampus &  
Pomacentrus.

FAO:sjh MF

Anonymous (1958) 582686  
Now Scient., 4:491  
Clear and turbid water side by side

Note, with diag., based on Ivanoff, A.  
(1958), Comptes Rendus 246:2636 & 3492,  
study of polarized light penetration in  
water between Franco (Nice) & Corsica  
(Calvi).

FAO:sjh M

Uvarov, B.P. (1958) 582687  
Now Scient., 4:492  
A dynamic approach to ecology

Critical review of 582209.

FAO:sjh MF

Papo, A. (1958) 582688  
Allg. FischwirtschaftZtg., 10(25-26):18-27  
Kutterfischerei in Ostsee und Nordsee -  
Stand und Ausblick (Cutter fisheries  
in the Baltic and North Sea - Its  
present situation and outlook)

Contents as per title.

FAO:dr M

Macan, T.T. (1958) 582689  
Mitt.int.Verh.Limnol., (8):21 p.  
Methods of sampling the bottom fauna  
in stony streams

Describes several quantitative samplers  
with special reference to a shovel  
sampler & the results obtained with it.

SJH:wad

F

582691  
(Card 2)  
possible deviating influence of  
environmental factors. Traces different  
frequencies of males in Valli da Pesca  
to selective migration of genetically  
orientated olvers & partly to  
environmental influences. Mentions  
the significance to transplantation of  
sexual orientation at source.

FAO:tjj

MF

Westenberg, J. (1957) 582690  
Arch.Oceanogr.Limnol., Venezia, 11(1):  
47-61

Il meccanismo delle fluttuazioni nelle  
popolazioni e gli aumenti e diminuzioni  
della pesca non limitata (The  
mechanism of fluctuations in populations  
and the ups and downs of an unrestricted  
fishery). En

Non-mathematical elucidation of  
fundamentals of population dynamics,  
especially with regard to direct &  
inverse density dependence of factors.  
Discussion of fishery model of  
Schaefer, M.B. (1954).

FAO:sjh

MF

Slack, H.D. & al. (1957) 582693  
Blackie & Son Ltd., Glasgow Univ., 133p.  
Studies on Loch Lomond, Vol. I

Account of ten years work; general  
limnology, plankton, benthos & nekton  
zonation.

:sjh

F

D'Ancona, U. (1957) 582691  
Arch.Oceanogr.Limnol., Venezia, 11(1):  
69-111

Nuove ricerche sulla determinazione  
sessuale dell'anguilla. II. Le influenze  
ambientali sul differenziamento della  
gonade (Further researches on the  
sexual determination of eels. II. The  
influence of environment on the  
differentiation of the gonads). En

Experiments on olvers (Anguilla) from  
different localities reared under  
similar conditions & from same locality  
under dissimilar conditions, elucidating  
a genetic basis for sex determination &

Anonymous (1957) 582694  
Discovery, 18:414-6  
By Yon Bonnie Banks

Editorial comment on Slack, H.D., 1957,  
(582693).

FAO:sjh

F

<p>Anonymous (1957) 582695  <u>Discovery</u>, 18:434-7  The British association</p> <p>Account of Dublin meeting, 1957; incl. short comment of M.J. Wells paper on tactile sensory system of <u>Octopus</u>.</p>	<p>Basioli, J. (1958) 582698  <u>Morsk.ribarst.</u>, 10:170-2  Ribarstvo otoka Prvića i Zirja  (The fisheries of the islands of Prvić and Zirjo)</p> <p>Description of the development, state &amp; circumstances of the fisheries on the islands from fifteenth century up to day.</p>
<p>FAO:sjh M</p>	<p>FAO:tl M</p>
<p>Groom, A. (Comp.) (1957) 582696  <u>Discovery</u>, 18:438-9  The International Geophysical Year - Month by month</p> <p>Incl. short descriptions of Soviet oceanographic vessels MIKHAIL LOMONDOV &amp; ZARYA (non-magnetic vessel); &amp; note on measurements of sea-level variation at Point Barrow, Alaska.</p>	<p>Jackson, C.F. (1958) 582699  <u>Svensk FiskTidskr.</u>, 67:94  Om avgiftning av rotenonbehandlade vatten (On depoisoning of waters treated with rotenon)</p> <p>Description of experiments with chlor &amp; potassium permanganate for depoisoning (oxidation) of waters previously treated with rotenon.</p>
<p>FAO:sjh M</p>	<p>FAO:tl F</p>
<p>Zupanović, S. (1958) 582697  <u>Morsk.ribarst.</u>, 10:169-70  Stanjo ribarstva danas. (The state of fisheries today)</p> <p>Describes the relationship between the production &amp; productive potentialities of today's fisheries.</p>	<p>Anonymous (1958) 582700  <u>Dansk FiskTid.</u>, 76:175-9  Fiskeri- og havundersøgelserne i 1957 i de indre danske farvande (Fishes &amp; marine investigations during 1957 in the Danish coastal waters)</p> <p>Review of the investigations done &amp; the principal results obtained during 1957.</p>
<p>FAO:tl MF</p>	<p>FAO:tl MF</p>

Anonymous (1958) 582701  
Dansk FiskTid., '76:327  
Videnskaben og rødspættterne  
(Science and plaice)

Note on the English transplantation of  
plaice on Dogger Bank.

FAO:t1

M

Gololokov, Ia.K. (1957) 582704  
Fish.Ind., Moscow, 33(7):60-1  
Izmononiia velichin khimicheskikh  
pokazatelei sredy v zimnikh skoploniakh  
khamisy v iugovostochnoi chasti Chernogo  
moria (Alterations of chemical  
indices of environments within areas  
where anchovies aggregate in winter in  
the S.E. Black Sea)

Study of bottom relief, temperature &  
chemical analysis of coastal wintering  
abodes of fish. Oxygen & ammonia  
contents, pH of water in depressions  
favoured by anchovies. Effect of large  
shoals on chemical composition. Useful  
source of information for fishing vessels  
deprived of acoustic devices.

FAO:go

M

Gorodnichii, A.E. (1957) 582702  
Fish.Ind., Moscow, 33(7):56-60  
Sostoianie promysla osetrovykh ryb  
Azovskogo moria i puti rasshireniia ikh  
estestvennogo vosproizvodstva  
(Actual state of sturgeon commercial  
fishing in the Azov sea & means of  
developing their natural reproduction)

Commercial catches of Acipenseridae  
decrease dangerously. Proposed remedies:  
reduce fishing to a minimum at sea & to  
a third in rivers by gear restrictions,  
double the time of brief spring-time  
fishing standstills; adapt discharges  
from water reservoirs to fish

migrations; restore spawning grounds  
below dams & create new artificial  
areas.

FAO:go

MF

Syrovatskii, I.Ia. (1957) 582705  
Fish.Ind., Moscow, 33(7) 62-6  
K voprosu ob ispolzovanii vodekhrani-  
lishch nizovioi Dona dlia popolneniia  
zapasov poluprokhodnykh ryb v Azovskom  
bassaine (Concerning the utilization  
of water reservoirs of the lower course  
of the Don for restocking the Azov sea  
basin with semi-migratory fish)

Contests assertions that semi-migratory  
fish (perchpike, bream, wild carp) do not  
adapt themselves to life in water  
reservoirs & their fingerlings tend to  
escape downstream by hereditary inclin-  
ation. When a downstream run through  
hydraulic structures occurs, it is due  
to accidents or want of food resources.

FAO:go

MF

Kozhevnikov, G.P. (1957) 582706  
Fish.Ind., Moscow, 33(7) 67-9  
O khode formirovaniia ikhtiofauny  
golovatskoi vodekhranilishchei v pervyi  
god ego sushchestvovaniia (The  
forming process of the fish population  
in the Gorki water reservoir during its  
first year of existence)

Description of the hydrology of the  
incompletely filled reservoir & future  
regime. Number & distribution of limno-  
philous & rheophilous fish. Prospects of  
natural reproduction & acclimatization  
possibilities.

FAO:go

F

<p>Vasiliev, I.S. (1957) 582707  <u>Fish.Ind., Moscow, 33(7):70-1</u>  Ob iskusstvonnom podniiatii urovnia vody na norostilishchakh dalnovostochnykh lososoi (Artificial raising of the water table over Far-East salmon spawning grounds)</p> <p>Effect of a low wattle spillway dam built across a shallow channel: silt deposited in headwater, oxygen contents decreased in midwater &amp; increased in ground water below riverbed; bad conditions for spawning, good for spawn development in nests. Conditions in tail-water unchanged.</p> <p>FAO:go MF</p>	<p>Rickor, W.M. (1958) 582710  <u>Canad.Fish Cult., (22):1-6</u>  Some principles involved in regulation of fisheries by quota</p> <p>General discussion of regulatory measures &amp; description of the characteristics of the quota system of control, with reference to the results of use of this system for the British Columbia Herring fishery.</p> <p>FAO:glk MF</p>
<p>Lobacheva, L.L. (1957) 582708  <u>Fish.Ind., Moscow, 33(7):71-4</u>  O deistvii dikhloretana i khlorobenzola na vodnye organizmy (Action of dichlorethane &amp; chlorobenzene on aquatic organisms)</p> <p>Both chemicals largely used by industry &amp; introduced in bodies of water with waste. Description of tests carried out with live fish-feed, both in closed &amp; open containers. Utmost admissible contents in discharged waste water.</p> <p>FAO:go F</p>	<p>Kerswill, C.J. (1958) 582711  <u>Canad.Fish Cult., (22):7-12</u>  Regulation of the Atlantic salmon fisheries</p> <p>Economic value of the salmon fisheries; description of the life history of the salmon &amp; its relation with commercial &amp; sport fisheries in a typical large New Brunswick river system; &amp; discussion of the validity &amp; adequacy of the regulatory measures.</p> <p>FAO:glk MF</p>
<p>Mekhanik, F.Ia. (1957) 582709  <u>Fish.Ind., Moscow, 33(7):74-5</u>  O vliianii kontsentratsii kisloroda v vode na rost i azotisty obmen mal'kov raduzhnoi foreli (Influence of oxygen concentration in water on the growth &amp; nitrogen exchange of rainbow trout fry)</p> <p>Tests carried out in aquariums. Relation of oxygen contents in water to weight increase, food consumption, assimilation of nitrogen by fish.</p> <p>FAO:go F</p>	<p>Wildor, D.G. (1958) 582712  <u>Canad.Fish Cult., (22):13-6</u>  Regulation of the lobster fishery</p> <p>Description of the regulations &amp; discussion of their economic and sociological effects.</p> <p>FAO:glk M</p>

Hart, J.L. (1958) 582713  
Canad. Fish Cult., (22):17-9  
 Some sociological effects of quota  
 control of fisheries

Discussion of the effects induced in  
 the pattern of fishing: length of  
 fishing season, intensity of competition  
 & density of equipment.

FAO:glk MF

MacKenzie, W.C. (1958) 582714  
Canad. Fish Cult., (22):21-4  
 Some economic aspects of control by  
 quota

Discussion of the over-capitalisation  
 in primary, secondary & tertiary  
 industry & the heightening of  
 competition, induced by quota systems.

FAO:glk MF

Gironko, V.N. (1957) 582715  
Fish. Ind., Moscow, 33(8):33-40  
 O sovershenstvovanii seldovykh koshel-  
 kovykh novodov (Improvement of  
 herring purse seines)

Tests with recording instruments placed  
 on seines. Behaviour of fish & causes  
 of its escape. Improvements in hauling  
 procedure & equipment of purse-seines.

FAO:go M

Tsibina, T.V. (1957) 582716  
Fish. Ind., Moscow, 33(8):41-3  
 O prilove seldi v konusnykh setiakh  
 (Incidental catches of herrings in  
 conical nets).

Study of amounts & spp. of larger  
 Clupeidae (Caspialosa) fry, incidentally  
 caught together with Clupeonellae in the  
 Caspian sea, attracted by electric  
 light. Tentative study of areas &  
 seasons in which the former react  
 positively to artificial light.

FAO:go M

Naumov, V.M. (1957) 582717  
Fish. Ind., Moscow, 33(8):57-8  
 Novyi promyslovyy raion v Chernom more  
 (New commercial fishing grounds in the  
 Black Sea)

Migrations of warm-water fishes into  
 the Black sea. Possibilities of high-sea  
 commercial fishing in the Bosphorus  
 area.

FAO:go M

Kalmykova, M.S. (1957) 582718  
Fish. Ind., Moscow, 33(8):59-60  
 Pitaniye i nekotoryye osobennosti  
 biologii siny (Nourishment & certain  
 biologic peculiarities of Oncorhynchus  
masu)

Description of behaviour & food consumed  
 at different stages.

FAO:go MF

Minkin, A.I. (1957) 582719  
Fish.Ind., Moscow, 33(8):60  
Akklimatizatsiia severodvinskoi sterliadi  
v drugikh rekakh (Acclimatization  
of the North Dvina Acipenser ruthenus  
in other rivers)

Experimental release into the rivers  
Onega, West Dvina, Pechora & Mezen.  
Favourable results noted on specimens  
caught in the Onega 2 years later.

FAO:go

F

Shulman, G.L. (1957) 582722  
Fish.Ind., Moscow, 33(8):68-70  
Osobennosti khimicheskogo sostava  
Azovskoi khamsy v period vosennoi i  
zimovalnoi migratsii (Peculiar traits  
of Azov anchovies' chemical composition  
during their spring & wintering  
migrations)

Insufficiency of physiological studies.  
Chemical analysis helps to prognosticate  
the behaviour of anchovies. Data on  
humidity, dry weight, fat, protein & ash  
contents at different stages of develop-  
ment in spring & autumn. Migratory  
stimulus determined by chemical composition  
of body & temperature of environments.

FAO:go

M

Kosyrova, R.Ia. (1957) 582720  
Fish.Ind., Moscow, 33(8):61-4  
O formakh vyrashchivaniia molodi  
poluprokhodnogo sudaka (Ways of  
raising young semi-migratory perch-pike)

Brooding on a large scale excludes  
preliminary selection of reproducers.  
Whence the impossibility of combined  
spawning & raising owing to cannibalism.  
Artificial spawning canals & several  
raising ponds are recommended. Food  
resources should be provided for by  
proper pond treatment. Monoculture &  
combined raising with carp & bream.

FAO:go

F

Vladimirov, V.I. (1957) 582723  
Fish.Ind., Moscow, 33(8):70-3  
Uslovia razmnozheniia prokhodnykh ryb v  
Dnepre v pervyi god ego zaregulirovaniia  
Kakhovskoi GES (Conditions governing  
the reproduction of anadromous fish in  
the Dnepr during the first year after the  
riverflow was harnessed by the Kakhovka  
hydro-electric plant)

Description of hydrological regime in the  
tailrace, of spawning grounds & spawn to  
fry development. Effect on fish stocks  
definitely bad, both for sturgeons &  
clupeidae. Urgent need of artificial  
spawning grounds & nurseries for the  
former & fishing restriction, in the

Lotichovskii, M.A. (1957) 582721  
Fish.Ind., Moscow, 33(8):65-7  
Nabliudeniia za povedeniem ryb v nizhnom  
biofe Kuibyshevskoi plotiny (Fish  
behaviour observed in the tailrace of  
the Kuibyshev dam)

Behaviour of & injuries suffered by fish  
in the head & tail races; concentrations  
25 km below the dam. Prohibited zones  
should be extended & conservation  
measures enforced. Transportation of  
young rather than reproducers to the  
water reservoir is recommended. Life  
conditions in the latter should be  
studied.

FAO:go

F

582723  
(Card 2)  
river & at sea, for both.

FAO:go

MF

Platonov, V.E. (1957) 582725  
Fish.Ind., Moscow, 33(8):81  
 Novaya poiskovaya tekhnika (New  
 searching means)

Brief description of a British fish-  
 sighter, an improvement of a german  
 instrument. Defect: lack of a self-  
 registering device.

FAO:go

MF

Kuznetsov, N.M. (1957) 582728  
Fish.Ind., Moscow, 33(9):52-4  
 O vozmozhnosti uvelicheniia ulovov semgi  
 (Possibilities for increasing salmon  
 catches)

Contests assertions that it is not more  
 possible to restore the salmon reserves  
 in northern waters along with the  
 development of industry & fluvial  
 transport. Recommends strict regulations  
 regarding industrial & motor-craft waste,  
 primitive timber floating; conservation  
 measures & improvement of spawning  
 grounds; salmon nurseries in adjacent  
 lakes.

FAO:go

MF

VNIRO (1957) 582726  
Fish.Ind., Moscow, 33(8):93-6  
 Vidovoi sostav i razmeshchenie ulovov  
 ryby i norybnykh ob'ektov v SSSR  
 (Species composition & distribution of  
 fish & non-piscine fishing objects'  
 catches in USSR)

Data on catches in USSR according to  
 FAO classification (whales & other  
 marine mammals excepted).

FAO:go

MF

Gonina, N.V. (1957) 582729  
Fish.Ind., Moscow, 33(9):54-5  
 O biotekhnike iskusstvennogo razvodenii  
 minogi (Biotechnique of artificial  
 lamprey breeding)

Experiments carried out with Lampetra  
fluviatilis in hatcheries. Transportation  
 & handling of reproducers, spawn &  
 larvae. Containers, water level, fish or  
 spawn density, temperature.

FAO:go

MF

Kurilov, S.V. (1957) 582727  
Fish.Ind., Moscow, 33(9):25-6  
 Organizatsiia i tekhnika promysla  
 sterliadi na Severnoi Dvine  
 (Organization & procedure of Acipenser  
ruthenus commercial fishing in the  
 North Dvina)

Fishing season & behaviour of this  
 sturgeon. Local fishing gear & methods.

FAO:go

F

Vasiliev, I.S. (1957) 582730  
Fish.Ind., Moscow, 33(9):56-62  
 O kislorednom rezhime pri iskusstvennom  
 razvedenii lososoi (Oxygen regime in  
 artificial salmon breeding)

Different spp. require different  
 concentrations of oxygen during incubation  
 Experiments carried out with chum &  
 humpback salmon eggs. Development &  
 deformities of embryos. Tentative  
 indication of oxygen contents optima for  
 both spp. brod separately or in common  
 hatcheries.

FAO:go

MF

Mussolius, V.A. (1957) 582731  
Fish.Ind., Moscow, 33(9):62-7  
Zabolevanie glaz loshchei v podmoskov-  
nykh vodokhranilishchakh (Eye  
diseases of bream in the Moscow region  
water reservoirs)

Study of the digenetic trematode  
Displostomum spathaceum which attacks,  
in the cercaria stage, the bream's eye.  
Infection of fish at different stages  
of growth. Destruction of molluscs,  
intermediate hosts of the parasite, by  
draining reservoirs & disinfecting  
remaining pools. Effect of chemicals  
used.

FAO:go F

Vovk, P.S. (1957) 582732  
Fish.Ind., Moscow, 33(9):68-9  
Amurskii sazan na Ukraine (Amur  
wild carp in Ukraine)

Introduction of Volga wild carps into  
fish farms & their crosses with  
domesticated carp produced specimens  
& broods which resist better against  
cold & diseases like branchiomycosis  
sanguinis & septicemia. Still better  
results are now obtained with wild  
carp from the Amur. Data on the latter's  
growth in ponds.

FAO:go F

Zubrik, K.M. (1957) 582733  
Fish.Ind., Moscow, 33(9):69-74  
Nootlozhnye meropriiatiia v dolto Volgi  
(Urgent measures required in the Volga  
delta)

Useless to connect decreasing catches  
to the problem of the Caspian's level.  
Concentrate on practical problems of  
controlling pollution & floodwaters.  
Description of the effect of industrial  
hydraulic plants on natural spawning  
grounds & possibility of protecting  
them by special structures without  
hindering power production & navigation.

FAO:go MF

Fodii, S.P. (1957) 582734  
Fish.Ind., Moscow, 33(9):74-6  
Ob otritsatel'nom vliianii promyshlennogo  
zagriazneniia na rybnoe khoziaistvo  
Kakhovskogo vodokhranilishcha i putiakh  
ego ustraneniia (Noxious effect of  
industrial pollution on pisciculture  
in the Kakhovka water reservoir & means  
of stopping the harm)

Water regime, chemical composition,  
sediments & their effect on aquatic  
life as compared to the river prior to  
the dam's construction. Defective  
clearing devices. Urgent need for  
improvements.

FAO:go F

L.S.R. (1958) 582735  
J.sci.industr.Res., 17A:243-4  
The physiology of fishes I. Metabolism

Review of 570207.

FAO: MF

Lisitzin, E. (1957) 582736  
Comment.phys.-math., Helsingf., 20(7):12p.  
On the reducing influence of sea ice  
on the piling-up of water due to wind  
stress

Analyses of the influence using  
available sea level & wind data from  
Gulf of Bothnia.

FiB:t1 M

South Pacific Commission (1958) 582737  
Noumea, 27 p.  
Report for the year 1957

Incl. statement of work on fisheries development by the Commission's Fishery Officer & the contribution by FAO through a regional training centre held at Noumea.

WAD:glk

MF

Greenwood, P.H. (1958) 582740  
Proc.zool.Soc.Lond., 130:547-67  
Reproduction in the East African lung-fish Protopterus aethiopicus Heckel

4 occupied nests are described, incl. an account of environmental conditions within them; the number of young in the nests, respiration of larval fishes, behaviour of adults, embryology, growth rate of larvae, ecology of the post-larval forms, external gills, & breeding cycles in Lake Victoria.

FAO:glk

F

Hendrickson, J.R. (1958) 582738  
Proc.zool.Soc.Lond., 130:455-535  
The green sea turtle, Chelonia mydas (Linn.) in Malaya and Sarawak

General aspects of the marine environment & of the beaches chosen for breeding; nesting process; courtship & copulation; population studies; early development of the young; growth rate & adult size; predatism, parasitism & sp. management.

FAO:glk

M

Hodloy, R.H. (1958) 582741  
Proc.zool.Soc.Lond., 130:569-76  
A contribution to the biology and cytology of Haliphysoma (Foraminifera)

Account of distribution & habitat, external form & variation, food & cytology.

FAO:glk

M

Roes, W.J. (1958) 582739  
Proc.zool.Soc.Lond., 130:537-45  
The relationships of Moerisia lyonsi Boulenger, and the family Moerisiidae, with capitate hydroids

The type material of Boulenger's Moerisia lyonsi has been examined, & the characteristics of the hydroid & its medusa have been compared with those of the lower corymorphines & with other spp. of the Moerisiidae.

FAO:glk

MF

Barroeta, M. (1957) 582742  
Bol.Comp.adm.Guano, 33(9) 7-24  
El plancton de la Bahía de Pisco (The plankton of the Bay of Pisco)

Gives the identification, distribution & abundances of the species.

FAO:hr

M

Hemming, F. (1958) 582743  
Internat.Trust for zool.Nomenclature,  
London, 73 p.

Official index of rejected and invalid  
specific names in zoology - 1st  
instalment: names 1-527

Contains 527 names arranged in the text  
chronologically by reference to the  
dates of publication of the opinions  
or directions in which they were placed  
on the list up to 9 February 1958, &  
are listed in accordance with an  
allotted name number. An alphabetical  
index of the names is also provided.

FAO:hr

MF

Hemming, F. (1958) 582746  
Internat.Trust for zool.Nomenclature,  
London, 206 p.

Official list of specific names in  
zoology - First instalment: names 1-  
1525

Contains 1525 names arranged in the text  
chronologically by reference to the  
dates of publication of the opinions or  
directions in which they were placed on  
the list up to 9 February 1958, & are  
listed in accordance with an allotted  
name number. Alphabetical & systematic  
indexes of the names are also provided.

FAO:hr

MF

Hemming, F. (1958) 582744  
Internat.Trust for zool.Nomenclature,  
London, 38 p.

Official index of rejected and invalid  
family-group names in zoology - 1st  
instalment: names 1-273

Contains 273 names arranged in the text  
chronologically by reference to the  
dates of publication of the opinions or  
directions in which they were placed on  
the list up to 9 February 1958, & are  
listed in accordance with an allotted  
name number. An alphabetical index of  
the names is also provided.

FAO:hr

MF

Hemming, F. (1958) 582747  
Internat.Trust for zool.Nomenclature,  
London, 38 p.

Official list of family-group names in  
zoology. First instalment: names 1 - 236

Contains 236 names arranged in the text  
chronologically by reference to the  
dates of publication of the opinions or  
directions in which they were placed on  
the list up to 9 February 1958, & are  
listed in accordance with an allotted  
name number. Alphabetical & systematic  
indexes of the names are also provided.

FAO:hr

MF

Hemming, F. (1958) 582745  
Internat.Trust for zool.Nomenclature,  
London, 132

Official index of rejected and invalid  
generic names in zoology - First  
Instalment: names 1-1169

Contains 1169 names arranged in the  
text chronologically by reference to  
the dates of publication of the  
opinions or directions in which they  
were placed on the list up to 9  
February 1958, & are listed in  
accordance with an allotted name number.  
An alphabetical index of the names is  
also provided.

FAO:hr

MF

Hemming, F. (1958) 582748  
Internat.Trust for zool.Nomenclature,  
London, 200 p.

Official list of generic names in  
zoology - First instalment: names 1-1274

Contains 1274 names arranged in the text  
chronologically by reference to the  
dates of publication of the opinions or  
directions in which they were placed on  
the list up to 9 February 1958, & are  
listed in accordance with an allotted  
name number. Alphabetical & systematic  
indexes of the names are also provided.

FAO:hr

MF

Homming, F. (1958) 582749  
Internat.Trust for zool.Nomenclature,  
London, 14 p.  
Official index of rejected and invalid  
works in zoological nomenclature - 1st  
instalment: names 1-58

Contains the titles of 58 works  
arranged in the text chronologically  
by reference to the dates of  
publication of the opinions or  
directions in which they were placed  
on the index up to 9 February 1958, &  
are listed in accordance with an  
allotted title number. An alphabetical  
author index is provided.

FAO:hr

MF

Radhakrishnan, N. (1957) 582752  
Indian J.Fish., 4:254-83  
A contribution to the biology of Indian  
sand whiting - Sillago sihama (Forskål)

Analysis of weekly catch samples from  
Mandapam, starting Sept., 1953. Weight  
& length distributions, condition, food  
& feeding habits; maturity, spawning,  
fecundity; age & growth; fishery &  
fishing methods.

GLK:sjh

M

Homming, F. (1958) 582750  
Internat.Trust for zool.Nomenclature,  
London, 12 p.  
Official list of works approved as  
available for zoological nomenclature -  
First instalment: names 1-38

Contains the titles of 38 works  
arranged in the text chronologically  
by reference to the dates of  
publication of the opinions or  
directions in which they were placed  
on the index up to 9 February 1958, &  
are listed in accordance with an  
allotted title number. An alphabetical  
author index is provided.

FAO:hr

MF

Saha, K.C. & al. (1957) 582753  
Indian J.Fish., 4:284-94  
Studies on the factors influencing  
spawning of Indian major carps in 'Bundh'  
fisheries

Study of physico-chemical conditions of  
4 breeding farms for Laboo rohita,  
Catla catla & Cirrhina mrigala suggested  
influence of stormy weather & of  
alkalinity of water, but not of  
temperature or dissolved O<sub>2</sub> content.

GLK:sjh

F

Krishnamurthi, B. (1957) 582751  
Indian J.Fish., 4:229-54  
Fishery resources of the Ramoswaram  
Island

General survey of industry of this  
area off the coast of Mandapam, begun  
in 1952; topography & climate of island,  
fishing villages, craft, gear &  
population; sampler survey of catches;  
seasonal quantities & spp. composition;  
income, marketing & disposal of catches.

GLK:sjh

M

Jones, S. (1957) 582754  
Indian J.Fish., 4:304-14  
On the late winter and early spring  
migration of the Indian shad, Hilsa  
ilisha (Hamilton), in the Gangetic Delta

A review of statistical records of  
catches, market supplies, ice-utilization  
& of rainfall & temperature data.

GLK:sjh

MF

Sujansingani, K.H. (1957) 582755  
Indian J.Fish., 4:315-35  
Growth of the Indian shad, Hilsa ilisha  
(Hamilton, in the tidal stretch of the  
Hooghly

Weight & length data, condition factors,  
growth from scale studies & size  
frequency distributions.

GLK:sjh

MF

Pillay, T.V.R. (1957) 582758  
Indian J.Fish., 4:344-86  
A morphometric study of the populations  
of Hilsa, Hilsa ilisha (Hamilton) of  
the river Hooghly and of the Chilka lake

Comparative & morphometric analysis of  
catch samples (scute, scale & vertebrae  
counts, body measurements).

GLK:sjh

MF

Jhingran, V.G. (1957) 582756  
Indian J.Fish., 4:336-9  
Some observations on the Hilsa fishery at  
Buxar (Bihar, India) in the years 1952  
to 1954

Monthly catches & length frequency  
distributions for H. ilisha.

GLK:sjh

MF

India, Central Marine Fisheries 582759  
Research Station (1957)  
Indian J.Fish., 4:387-418  
Annual report of the Chief Research  
Officer for the year ending 31st March,  
1956

Administrative report, staff activities,  
review of catch statistics; biological &  
technological research programs & results;  
developmental projects; conditions of  
the industry; list of papers published  
in the period.

GLK:sjh

MF

Sarkar, H.L. (1957) 582757  
Indian J.Fish., 4:340-3  
Composition of Hilsa catch in the  
Sundarbans of West Bengal during the  
winter months

Monthly length-frequency distributions  
for H. ilisha catches.

GLK:sjh

MF

India, Central Inland Fisheries 582760  
Research Station (1957)  
Indian J.Fish., 4:419-46  
Annual report for the year 1955-56

Administrative report, staff activities,  
research, development & extension work-  
programs & review of results. Training,  
exhibitions, meetings; fish seed supply;  
pollution, lake, stream, estuarine  
fisheries & their study; publications  
during the year.

GLK:sjh

MF

Chesterman, W.D. (1958)  
Research, London, 11:301-9  
High-speed photography

582761

Ill. examples are given of use of this technique in studies of flow & hydro-dynamics of hydrofoils & other structures.

FAO:sjh

M

Armstrong, T. (1958)  
New Scient., 4:358-60  
Ice as a hazard to shipping

582764

A short ill. account of modern ways of reducing hazards, by international collaboration, & improvements in navigational techniques.

FAO:sjh

M

Gronoble, J. (1958)  
Penn. Anglor, 27(6):2-5  
Why the fishery manager

582762

A popular article that explains the need for & the functions of fishery managers with special reference to their work in Pennsylvania especially with trout & trout waters.

GLK:wad

F

Williams, L.G. & H.D.  
Swanson (1958)  
Science, 127:187-8  
Concentration of cesium-137 by algae

582765

Experiments on uptake of this fission product by unilateral cultures of 9 spp. incl. Rhizoclonium, Oedogonium, Spirogyra, Gonium, Oocystis, Chlamydomonas, Euglena & Chlorocella.

FAO:sjh

F

Lissmann, H.W. (1958)  
New Scient., 4:346-8  
Electric organs in fish: their function and evolution

582763

A short ill. review article with special reference to the electrical location mechanism of Gymnarchus niloticus, & the use of electrical pulses by other fish to immobilize other animals.

FAO:sjh

MF

Anderson, A.E., D.C. Jonas & H.T. Odum (1958)  
Science, 127:190-1  
Alteration of clay minerals by digestive processes of marine organisms

582766

Analysis of stomach contents of Mugil cephalus from Texas coast. Other spp. examined were menhaden, shrimp & anchovies. Experiments in aquaria with representative mollusca, ophiuodermata, filter-feeding fish & plankton organisms fed on Platymonas & clay suspension.

FAO:sjh

M

Applegate, V.C., J.H. Howell & 582767  
M.A. Smith (1958)

Science, 127:336-7

Use of mononitrophenols containing  
halogens as selective sea lamprey  
larvicides

Experiments on effect of 6 related  
substances on larvae of Petromyzon  
marinus & also on Salmo gairdneri, S.  
trutta & Lepomis macrochirus. Tests also  
with Salvelinus fontinalis, Ambloplites  
rupestris, Lepomis gibbosus, Couesius  
plumbeus, Somotilus atromaculatus,  
Perca caprodes, Cambarus spp., Perca  
flavescens, Catostomus commersoni &  
Ictalurus spp.

FAO:sjh

MF

Schultz, L.P. (1957) 582770  
Proc.U.S.nat.Mus., 107(3383):58 p.  
The frogfishes of the family Anton-  
nariidae

An ill. revision of the family  
containing an artificial key to the  
genera, subgenera, & spp., characteriz-  
ation of genera & description of spp.

HR:hr

M

Anonymous (1958) 582768  
Science, 127:461-2  
IGY Oceanography

Programmes of ATLANTIS, CRAWFORD, &  
DISCOVERY II in the S. Atlantic.

FAO:sjh

M

Woods, K.R. & E.C. Paulsen (1958) 582771  
Science, 127:519-20  
Starch gel electrophoresis of some  
invertebrate sera

Incl. results for spp. of crustacea  
(Uca, Panulirus, Pagurus, Homarus,  
Emerita, Callinectes, Ovalipes,  
Carcinides, Cancer, Neopenopous &  
Libinia); Arachnoidea (Limulus);  
mollusca (Loligo, Ostrea).

FAO:sjh

MF

Huang, H. & A.C. Gieso (1958) 582769  
Science, 127:475  
Tests for digestion of algal polysaccha-  
rides by some marine herbivores

Aquaria experiments, & analysis of  
digestive gland extracts of sea urchin  
Strongylocentrotus purpuratus, crab  
Pagotia producta & chiton Cryptochiton  
stelleri from Monterey Bay, California.

FAO:sjh

M

Van der Kloot, W.G., J. Robbins 582772  
& I.M. Cooke (1958)  
Science, 127:521-2  
Blocking by picrotoxin of peripheral  
inhibition in crayfish

Experiment with claw of Orconectes  
immunis.

FAO:sjh

F

Taylor, R.L. (1958) 582773  
Science, 127:1246-52  
 Preliminary announcement of Washington  
 Meeting and call for papers by AAAS  
 Sections

Incl. notice of following papers in  
 Agriculture section's symposium on  
 "Water & Agriculture": 'Precipitation  
 measuring & analyses as an aid to  
 agriculture', by G.L. Barger; 'Inter-  
 dependence of upstream & downstream  
 water management', by W.D. Criddle;  
 'Control of aquatic vegetation &  
 phreatophytes', by F.L. Timmons; &  
 'Suppressing evaporation for water  
 surfaces', by G.D. Harbeck, Jr.  
 FAO:sjh F

Haysom, N.M. (Ed.) (1958) 582774  
Qd Fish., (13):8 p.  
 Radiation and our fish

Contains notes on radiation on fish,  
 junior angling training course,  
 aquarium fish incl. information on the  
 'piranha', crayfish in North Queensland,  
 electrical fishing gear, hold insulation  
 on prawning vessels, addition to the  
 fisheries museum.

GLK:hr MF

Anonymous (1958) 582775  
Norsk Hvalfangsttid., 47:1-5  
State of whaling at the turn of the year.  
En No  
 An analysis of pelagic whaling in the  
 Antarctic particularly regarding Norway.

FAO:hr M

Anonymous (1958) 582776  
Norsk Hvalfangsttid., 47:6-17  
The Nantucket Whaling Museum. En No

A review of the Nantucket Island whaling  
 history & a description of its museum.

FAO hr M

Miyazaki, I. (1958) 582777  
Norsk Hvalfangsttid., 47:21-6  
 Fin whales and whaling operations in  
 the East China sea. En No

A narration of operations with notes  
 on biological studies being carried out.

FAO:hr M

Symons, H.W. & R.D. Weston (1958) 582778  
Norsk Hvalfangsttid., 47:53-81  
Studies on the humpback whale (*Megaptera*  
*nodosa*) in the Bollingshausen Sea.  
En No

Encompasses sections on material &  
 methods, the ear plug as a method of  
 age determination, the sexual cycle in  
 the male & the female.

FAO:hr M

Voss, G.L. & C. Phillips (1957) 582779  
Quart.J.Fla Acad.Sci., 20:223-32

A first record of Octopus macropus Risso from the United States with notes on its behaviour, color, feeding and gonads

Gives information on systematics, distribution & general biology of the sp.

FAO:hr

M

Anonymous (1957)

582782

Bol.Pesca, 11(55):111-3

A carpa dos arrozais (Carp in rice fields)

A note on carp culture in Spain in the rice fields of the province of Tarragona.

FAO:hr

F

Mousinho Figueiredo, J. (1957) 582780  
Bol.Pesca, 11(55):11-67

Biologia e pesca dos cachalotes em S. Miguel, Açores (Biology and fisheries of the sperm whales in S. Miguel, Azores). En

A study of the fisheries & of some aspects of the dynamics of reproduction of the species.

FAO:hr

M

Osório de Castro, J. (1957) 582783  
Bol.Pesca, 11(56):31-41

Inspecção sanitária de crustáceos (Sanitary inspection of crustaceans)

Considers the questions of preservation & sanitation of crustaceans, & gives a list of the spp. (scientific & common names), with notes on their abundance, fishing grounds, etc.

FAO:hr

MF

Ruivo, M. (1957) 582781  
Bol.Pesca, 11(55):91-7

Contribuição para o estudo das relações entre os comprimentos do bacalhau (Gadus callarias L.) inteiro, escalado o verde, pescado na Terranova (Contribution to the study of the relationships between the length of the whale, gutted & green cod (Gadus callarias L.) caught in Newfoundland). Fr

A study made to obtain the necessary data to apply the sampling method of landings to calculate the size composition of the catch.

FAO:hr

M

Smith, J.L.B. (1957) 582784  
S.Afr.J.Sci., 54:123-9

New and rare fishes from South Africa

The new spp. Epinophelus clarkoi, Muraenichthys xorae & Cryptocontrus pretoriusi are described & illustrated. Epinophelus morrhua, Acanthistius sebastoides, Muraenichthys laticaudata, Pluchus chubbi & Holocontrus spiniferus are recorded, described or illustrated.

FAO:hr

M

Prikhodko, B.I. (1957) 582785  
Fish.Ind., Moscow, 33(10):47-52  
 Nekotorye novye dannye o povedenii  
 Kaspiiskikh kilok v zone elektricheskogo  
 sveta (Some new data on the behaviour  
 of Caspian Clupeonellae within the zone  
 illuminated by electric lamps)

Response to artificial light according  
 to spp., age, season & time of the day.  
 Behaviour of fish in different strata,  
 shoaling above or beneath the source of  
 light. Data supplied by catches & fish-  
 sighter records.

FAO:go

M

Zalumi, S.G. (1957) 582786  
Fish.Ind., Moscow, 33(10):60-11  
 Opyt napravlennoy formirovaniya  
 promysla v nizoviyakh Dnepra i Tuzhnogo  
 Buga (Experience with planned  
 commercial fishing in the lower course  
 of the Dnioper & the South Bug)

Proposed conservation measures consisting  
 in restrictions & control over fishing  
 gear producing incidental catches of  
 young fish on their feeding grounds.  
 Present regulations should be revised.

FAO:go

MF

Engelgardt, V.A. & al. (1957) 582786  
Fish.Ind., Moscow, 33(10):52-5  
 Obeskleivanie ikry osetrovykh molom  
 (Deglutination of Acipenseridae roe by  
 chalk)

Experiments carried out with chalk as a  
 deglutinating agent instead of suspended  
 silt. Chalk absorbs no oxygen, carries no  
 bacterial infection as occurs with silt.  
 Comparative experiments show better  
 yields of incubated roe treated by chalk,  
 apart from good resistance against  
 saprolegnia.

FAO:go

MF

Naumov, V.M. (1957) 582789  
Fish.Ind., Moscow, 33(10):64-5  
 O razvitii ugrovogo khoziaistva  
 (Development of eel breeding)

Results of eel fry release into land-  
 locked lakes. Necessary conditions for  
 eel raising. Catches & re-stocking rates.

FAO:go

MF

Lotichevskii, M.A. (1957) 582787  
Fish.Ind., Moscow, 33(10):56-9  
 Rannoe zalivanie rybkhozov i otbor  
 proizvoditelci dlia povysheniia chis-  
 lomnosti molodi sazana i loshcha  
 (Early flooding of fish ponds &  
 selection of reproducers for increasing  
 the number of young carp & bream)

Experiments carried out on fish farms in  
 the Volga delta for increasing the yield  
 of fry. Selection of reproducers on a  
 large scale. Number & size of reproducers,  
 spawn & fry yields. Environment & food  
 resources. Early flooding & spawning  
 proved to be favourable to fry  
 development.

FAO:go

F

Borishchev, V.V. (1957) 582790  
Fish.Ind., Moscow, 33(10):66  
 O povedenii ryb v vodokhranilishche  
 (Behaviour of fishes in a water  
 reservoir)

Since the water table undergoes more  
 frequent changes in an artificial  
 reservoir than in a natural water-course,  
 fish behaviour in the former is more  
 complicated & requires detailed studies.  
 Description of fish migrations &  
 experimental catches in the Moscow  
 reservoir on the upper Volga.

FAO:go

F

Moiseev, P.A. (1957) 582791  
Fish.Ind., Moscow, 33(10):80-4  
 Sotrudnichestvo chetyrekh stran v provedenii rybokhoziaistvennykh issledovani (Cooperation of four countries in carrying out piscicultural research)

Description of a meeting held in Peking by the Commission for Piscicultural Research in the West Pacific composed of representatives of URSS, China, N. Corea, N. Vietnam & an observer of Outer Mongolia. Lectures delivered & plans laid out.

FAO:go

MF

Soloviev, B.S. & A.A. 582794  
 Diagtorev (1957)  
Fish.Ind., Moscow, 33(11):81-4  
 Sutochnye vertikalnye migratsii atlanticheskio-skandinavskikh seldei v prodnerestovyi i nerestovyi periody (Daily vertical migrations of Atlantic Scandinavian herrings at pro-spawning & spawning time)

Studies carried out near the Viking bank. Depth, temperature saltiness of water favoured by herrings for spawning. Effect of invading cold & brackish waters on fish behaviour & vertical migrations. Such displacements are

Maksunov, V.A. (1957) 582792  
Fish.Ind., Moscow, 33(11):76-9  
 K voprosu formirovaniia ikhtiofauny Farkhadского vodokhranilishcha (Suggestions on the pattern of the fish population to be created in the Farkhad water reservoir)

water regime, temperature. Phyto- & zooplankton, benthos. Native fish population. Natural productivity limited by fish-food resources which should be increased. Conditions are favourable for cyprinidae, mainly wild carp.

FAO:go

F

582794  
 (Card 2)  
 dependent also on feeding impulses & on light. The latter stimulates the former.

FAO:go

M

Dvinin, P.A. (1957) 582793  
Fish.Ind., Moscow, 33(11):79-80  
 Mesta zimovok simy v raione Sakhalina (Winter abodes of Oncorhynchus masu in the Sakhalin region)

Studies on the behaviour & peculiar features of this salmon prove the existence of a local stock. Description of specimens caught off the western coast of Sakhalin. Indications on winter-time behaviour of small local stocks of other Pacific salmon.

FAO:go

MF

Phelps, W.H. & W.H. 582796  
 Pholps, Jr. (1958)  
Bol.Soc.venezol.Cienc.nat., 19(90):317 p.  
 Lista de las aves de Venezuela con su distribucion. Tomo II, Pt. 1 - No passeriformes (List of the Venezuelan birds with their distribution. Vol. II, Pt. 1 - Not passeriformes)

A check list incl. aquatic forms.

FAO:hr

MF

Anonymous (1958) 582797  
Nature, Lond., 181:1685-6  
Nuclear energy developments and  
oceanography

A leading article, reviewing the present  
situation regarding weapon tests & the  
disposal of radioactive wastes at sea &  
the effect of radiation on fisheries,  
based on 570507 & 582798.

GLK:sjh

M

India, Zoological Society (1957) 582800  
Calcutta, 48 p.  
Yearbook 1956-57

Incl. announcement of preparation of  
"Indian Zoological Memoirs, (9), by  
M. Chaudy on the stingray, Dasyatis".

:sjh

M

U.S. National Academy of Sciences- 582798  
National Research Council (1957)  
Publ. (551), Washington, D.C., 137 p.  
The effects of atomic radiation on  
oceanography and fisheries

Report of the committee set up to  
examine this problem, amplifying the  
summary report published in 1956.  
Thirteen chapters signed by various  
member of the committee & consultants.

:sjh

M

U.S. Smithsonian 582801  
Institution (1958)  
Washington, D.C., 204 p.  
Report of the Secretary and financial  
report of the Executive Committee of the  
Board of Regents for the year ended  
June 30, 1957

Incl. report on marine field studies  
sponsored at the Bermuda Biological  
Station.

:sjh

M

U.S.S.R. Academy of 582799  
Sciences (1958)  
Information Bulletin, (4)

Incl. a report on the working of  
recording marine buoys.

:sjh

M

U.S. National Science 582802  
Foundation (1957)  
Washington, D.C., 279 p.  
Seventh annual report for the fiscal  
year ended June 30, 1957

Records activities in promoting research  
by financing projects, travel, meetings,  
& improvements in documentation. Incl.  
note on discovery of rhythmic light  
emission by the dinoflagellata Gonyaulax  
polyedra.

:sjh

F

Waugh, G.D. (1958) 582803  
Nature, Lond., 181:1747  
Ultra-violet sterilization of water used  
for rearing oyster larvae

Describes successful technique for  
rearing *Ostrea edulis* at Burnham-on-  
Crouch Laboratory, England; cites  
Aboul-Ela, I.A. (580552).

GLK:sjh

M

Colo, F.J. (1958) 582806  
Lecuwenhoek's correspondence

Review of 582805.

GLK:sjh

MF

Poisson, R. (1957) 582804  
Paul Lechevalier, Paris, 263 p.  
*Hétéroptères aquatiques* (Aquatic  
heteropterae)

F

Steinhaus, L.A. (1958) 582807  
Annual Reviews Inc., Palo Alto, 519 p.  
Annual review of entomology

Incl. review article by A.J. Nicholson  
on the dynamics of insect populations.

GLK:sjh

MF

van Leeuwenhoek, A. (1957) 582805  
Swets & Zeitlinger, Ltd., Amsterdam, 457p.  
The collected letters. V.

Incl. notes on observations of gastrolith  
in decapod crustacea, of the scales  
of eel, bream, perch & other fishes.

:sjh

MF

Good, R. (1958) 582808  
Nature, Lond., 181:1763-5  
The biogeography of Australia

Contents as per title.

GLK:

MF

Solomon, M.E. (1958) 582809  
Nature, Lond., 181:1778-80  
Meaning of density-dependence and  
related terms in population dynamics  
A review.

GLK:sjh

MF

Russell, F.S. (1958) 582812  
Nature, Lond., 181:1811-2  
A new species of Atolla  
Note on a North Atlantic scyphomedusan,  
the proposed name of which is Atolla  
parva.

GLK:sjh

M

Varley, G.C. (1958) 582810  
Nature, Lond., 181:1780-1  
Meaning of density-dependence and  
related terms in population dynamics  
An answer to 582809.

GLK:sjh

MF

Bull, H.O. (1958) 582813  
Nature, Lond., 182:6  
Homage to the horring  
A review of 570732.

GLK:wad

M

Augustinsson, K.-B. (1958) 582811  
Nature, Lond., 181:1786-9  
Electrophoretic separation and  
classification of blood plasma esterases

A summary article incl. reports of  
studies on Anguilla anguilla, Esox lucius,  
Gadus callarias, Lophius piscatorius,  
Labrus berggylta, Squalus acanthias &  
Myxine glutinosa.

GLK:sjh

MF

Beadle, L.C. (1958) 582814  
Nature, Lond., 182:27-8  
Classification of brackish and inland  
saline waters  
Brief description of the Symposium on  
the Classification of Brackish Waters  
held at Venice, 8-14 April, 1958, under  
the auspices of the International  
Association of Limnology & the Inter-  
national Union of Biological Sciences:  
list of participants & subjects  
covered & a proposed scheme for the  
classification of brackish waters.

GLK:wad

MF

Carlisle, D.B. (1958)  
Nature, Lond., 182:33-4  
A crustacean chromactivator

582815

Describes experiments concerning the  
activation of eye-stalk substances.

GLK:wad

M

Sugawara, K. & K. Torada (1958) 582818  
Nature, Lond., 182:250-1  
Oxidized iodine in sea water

Theoretical consideration & results of  
analytical experiments for supporting  
the view that the oxidized form of  
iodine in sea water is iodate.

GLK:tl

M

Munk, W. & R. Haubrich (1958) 582816  
Nature, Lond., 182:42  
The annual pole tide

Determination of the annual disturbance  
in the gravitational potential resulting  
from the Earth's wobble & comparison of  
its magnitude to the annual solar tide.

GLK:tl

M

Johannesson, J.K. (1958) 582819  
Nature, Lond., 182:251  
Oxidized iodine in sea water

Notes on some chemical tests supporting  
the view that the oxidized form of  
iodine in sea water is iodate. (582818).

GLK:tl

M

Miyabe, K. (1957) 582817  
J.Sapporo Agric.Coll., (1):50 p.  
On the Laminariaceae of Hokkaido

M

Shaw, T.I. & L.H.N. Cooper (1958) 582820  
Nature, Lond., 182:251-2  
Oxidized iodine in sea water

Re-examination of Sugawara's & Terada's  
data (582818) for supporting the view  
that the oxidized form of iodine in sea  
water is hypoiodous acid.

GLK:tl

M

Broch, H. (1958) 582821  
Nature, Lond., 182:267-8  
The pennatularian genus Umbellula

A discussion of morphology & systematics based essentially upon the examination of antarctic & sub-antarctic material from the Discovery collections & the British Museum collections.

GLK:wad

M

Canada. Department of Natural 582824  
Resources of the Province of  
Saskatchewan (1957)  
Rogina, Saskatchewan, 123 p.  
Annual report for the fiscal year ended  
March 31, 1957

The fisheries report covers activities in management, research, fish culture, & administration for commercial & sport fisheries, & biological investigations. Also incl. statistical tables.

:sjh

F

Southward, A.J. (1958) 582822  
Nature, Lond., 182:272  
Abundance of Pogonophora

Records the collection of Siboglinum at 6 stations between lat. 47°56' N., long. 7°56' W. & lat. 48°32' N., long. 10°11' W. at depths ranging from 300 to 710 fathoms, & at depths of 80-90 fathoms off Dingle Bay, west coast of Ireland.

GLK:wad

M

Wooster, W.S. & T. 582825  
Cromwell (1958)  
Bull. Scripps Instn Oceanogr., 7:169-282  
An oceanographic description of the eastern tropical Pacific

Boundaries & general characteristics of the area; review of previous studies & observations during 1952; description of general oceanographic features of the area. Various graphical profiles with data on temperature, salinity, oxygen, phosphates & silicates.

FiB:tl

M

Anonymous (1958) 582823  
Statist. Dig., 42:46 p.  
Propagation and distribution of food fishes for the calendar years 1955-56

Contents as per title.

Lee, R.M.K.D. (1957) 582826  
FAO Rep., (739):49 p.  
Report to the Government of Brazil on tuna fisheries development (Northeastern coast of Brazil)

General observations on the fisheries of the northeastern coast of Brazil, fishing boats used for demonstration, fishing methods, Japanese tuna fishing off the Brazilian coast, current progress on tuna fishing development, & conclusions & recommendations to the Government of Brazil.

:sjh

MF

:sjh

M

Australia. Division of 582827  
Fisheries & Oceanography (1958)  
Marine Biological Laboratory, Sidney,  
35 p.  
Annual report for the year ended June  
30, 1958

Review of the activities of the  
division during 1957; operation of  
research vessels; notes on studies of  
the biology of various spp. of fish,  
physical oceanography, plankton &  
marine fouling during 1957 with report  
of principal results. List of  
personnel & publications.

WAD:tl

MF

Wunder, W. (1958) 582830  
Fischwirt, 8:149-54  
Zur Erforschung und Bekämpfung der  
Bauchwassersucht (Investigation on  
and combat of ascites)

Review of the knowledge of ascites.

FAO:dr

F

Worthington, L.V. (1958) 582828  
Woods Hole Oceanographic Institution,  
152 p.  
Oceanographic data from the R.R.S.  
DISCOVERY II. International Geophysical  
Year cruises one and two, 1957

Graphical & tabulated oceanographic  
data from equatorial Atlantic.

TL:tl

M

Bank, O. (1958) 582831  
Fischwirt, 8:163-4  
Schliesst Vorpilzung von Wunden die  
Diagnose auf BWS aus? (Does the  
appearance of fungi in wounds exclude  
the diagnosis of ascites?)

Results of observations in aquaria  
showing that the fish which have fungus  
growth in the wounds can also have  
abdominal dropsy.

FAO:tl

F

Kimsey, J.B., R.H. Hagy & 582829  
G.W. Mc Cammon (1957)  
Adm.Rep.Inl.Fish.Calif., (57-23):47 p.  
Progress report on the Mississippi  
threadfin shad Dorosoma petenensis  
atchafaylae, in the Colorado river for  
1956

Preliminary results of an intensive  
evaluation of the introduction of the  
sp.

WAD:hr

MF

Macklin, R. & A.J. Cordone (1957) 582832  
Adm.Rep.Inl.Fish.Calif., (57-21):32 p.  
Sixth progress report on trout feeding  
experiments

A detailed account of experiments (1956-  
1957) comparing the growth rate, health,  
mortality & food costs for trout  
produced on dry foods & meat diets in  
4 California hatcheries.

WAD:wad

F

Italy. Ente Autonomo Fiera di 582833  
Ancona (1958)  
Fiera di Ancona Internazionale della  
Pesca, (18)

Brochure for the fair, containing  
articles on various aspects of fishing  
industries of Italy and other  
Mediterranean countries. See Alloy, A.,  
Schreiber, A., Renda, C. & Larson, R.  
(582834, 582835, 582836 & 582837).

FiB:sjh

MF

Renda, C. (1958) 582836  
Fiera di Ancona Internazionale della  
Pesca, (18):35-6  
L'industria della pesca in Turchia  
(The fishing industry in Turkey)

A short popular review.

FiB:sjh

M

Alloy, A. (1958) 582834  
Fiera di Ancona Internazionale della  
Pesca, (18):22-7  
La pesca marittima in Francia (Sea  
fisheries in France)

A short popular review.

FiB:sjh

M

Larson, R. (1958) 582837  
Fiera di Ancona Internazionale della  
Pesca, (18):37-40  
La pesca del morluzzo in Norvegia  
(The cod fishery in Norway)

A short popular review.

FiB:sjh

M

Schreiber, A. (1958) 582835  
Fiera di Ancona Internazionale della  
Pesca, (18):31-4  
Pesca in Danimarca (Danish fisheries)

A short popular review.

FiB:sjh

M

U.K. White Fish Authority (1958) 582838  
London, 2 p.  
Publicity campaign 1958-59  
Contents as per titolo.

s:jh

M

U.K. Parliament (1957) 582839  
London, Treaty Series, (36):7 p.  
Fisheries agreement between the  
Government of the United Kingdom of  
Great Britain and Northern Ireland and  
the Government of the Union of Soviet  
Socialist Republics on fisheries

Text of treaty relating to rights of  
British vessels to fish within three  
miles of the Barents Sea coast of  
Russia & in certain circumstances enter  
Soviet ports & sheltered waters. Incl.  
exchange of notes on territorial  
waters.

FAO:sjh

M

Western Australia. Fisheries 582842  
Department (1958)  
Monthly Service Bulletin, 7(5):49-58

Notes on staff & their activities;  
research vessels; issuance of fishing  
licenses, regulations & legal actions;  
seasons & results of crayfishery,  
pearling, humpback & sperm whaling.  
Miscellaneous information from abroad.

GLK:sjh

M

International Commission for 582840  
the Northwest Atlantic Fisheries (1958)  
Halifax, 3 p.  
Newsletter no. 28

Contains current information about  
activities of ICNAF & its committees,  
publications, news of fishing  
operations in the N.W. Atlantic as known  
at date of issue (2 June 1958).

FiB:sjh

M

Food & Agriculture Organization 582843  
of the United Nations (1958)

Rep.FAO/ETAP, (795):112 p.  
Report to the Government of India on the  
protection of wood against marine  
borers

Part I of a report on an assignment by  
the author for FAO under the Expanded  
Technical Assistance Program. Surveys  
the problem, deals with the economic  
importance of borers, lists organisms  
involved - mainly spp. of Torodo,  
Bankia, Limnoria, Martosia, Pholas,  
Nausitora, Sphacroma, Cholura & Meta-  
ponorthus. Reviews borer research; gives  
results of research in India, 1953-56

International Oceanographic 582841  
Foundation (1958)  
Sea Secrets, 2(6)

Answers to various biological & other  
questions received by the International  
Oceanographic Foundation; miscellaneous  
notes on marine life.

SJH:sjh

M

582843  
(Card 2)  
& makes recommendations for future  
action.

FiB:sjh

M

Anonymous (1958) 582845

G.Posca, 8(15):3

La televisione subacquea ormai alla  
portata di tutti (Underwater  
television now available to all)

Short ill. article on the design & use  
of the IBAK commercial equipment.

FiB:sjh

M

Fridthjof, J. (1958)

U.N.Rev., 5(1):42-4

Fishing for consumers

The author has carried out for FAO  
several assignments under the Expanded  
Technical Assistance Programme & he has  
written here a popular ill. article on  
popularising sea-food for increased  
consumption in Yugoslavia & Mexico,  
Chile, Brazil & other S. American states

FAO:sjh

M

Dill, W.A. & G.L.Kesteven (1958) 582846

FAO, Rome, 50 p.

Methods of minimizing the deleterious  
effects of water- and land-use practices  
on aquatic resources

Reviews the practical techniques that -  
applied to environment or stocks - may  
prevent, alleviate or capitalize on the  
consequences of environmental changes  
induced by water- and land-use  
practices; & presents suggestions as to  
how the acceptance of those measures  
can be achieved in the face of  
conflicting objectives.

FiB:wad

MF

Hempel, G. (1957)

Naturw.Rdsch., (12):458-60

FFS ANTON DOHRN, zwei Jahre im Dienste  
der Meeresforschung (FRV ANTON  
DOHRN, two years in the service of  
marine investigation)

Short review of the activities of the  
vessel & the necessity of various marine  
investigations & the applications of  
their results.

SJH:tl

M

Henderson, C. & C.M.

582847

Tarzwoll (1957)

Sewage industr.Wastes, 29:1002-17

Bio-assays for control of industrial  
effluents

Describes bio-assay methods that have  
been satisfactorily used with industrial  
effluents. It incl. information on the  
equipment, costs, & other requirements  
necessary for setting up a laboratory,  
& the many ways in which industry can  
use bio-assays in the control of  
industrial effluents.

WAD:wad

F

Hempel, G. (1957)

Umschau, (22):673-5

Fischbestand und Umwelt (Fish  
resource and environment)

Popular review of the influence of  
environmental factors on the survival  
of fish larvae & migrations &  
distribution of adults.

SJH:tl

M

South Asia Science Cooperation 582851  
Office (1958)

New Delhi, 11 p.  
Bulletin UNESCO no. 4

Incl. notes on: establishment in Rome of an International Computation Centre which will collaborate with FAO; recent developments in the mass culture of Chlorocella in Japan; a training course in Marine Biology to be held at Bombay Institute of Science in October 1958; the production of fresh from salt water; travel undertaken by scientists sponsored by UNESCO's Marine Science Programme.

GLK:sjh

MF

Szatybolko, M. (1957) 582854  
Prace Morsk.Inst.Ryback.Gdynia, (9) 565-95  
Studia nad czynnikami łowności  
uchwytyjących narzędzi połowu łososia i  
troci (Studies on the factors  
influencing the yield of capturing  
salmon and trout gear). En

Experiments in Baltic on the fishing power of gill-nets & its relation to perception by the fish, attraction or repulsion of fish; & ability to retain fish. Use of divers & underwater cine-photography. Effect of strength, color & tension of net. Fish movements & consideration of visual & lateral-line senses.

SJH:sjh

MF

Foskett, D.R. & D.W. 582852  
Jonkinson (1957)  
Rep.B.C.Dep.Fish., Paper 42:K25-44  
Contributions to the life-history of the  
sockeye salmon

Summarizes yields & sex size & age composition of runs in rivers Inlet, Smith Inlet, Skeena river & Nass river (Canada, B.C.), 1914-56.

WAD:sjh

MF

Cordier, D. & A. Maurice (1957) 582855  
C.R.Soc.Biol., Paris, 151:116-8  
Intestinal absorption of solutions of  
pentoses and hexoses in the pike (Esox  
lucius)

Contents as per title.

:tl

F

Ellis, L.G. (Comp.) (1958) 582853  
Zool.Rec., 92(19):19 p.  
List of new generic and subgeneric names  
recorded in volume 92, year 1955

Alphabetical list of 1963 names, incl. many aquatic forms; identifying group to which each sp. belongs & where the reference to it can be found in the "Zoological Record".

FAO:sjh

MF

Cordier, D. & J.F. Worbo (1957) 582856  
C.R.Soc.Biol., Paris, 151:121-4  
Influence of the pH of the intestinal  
contents on absorption of glucose in  
Scorpaena porcus

Contents as per title.

:tl

F

Enger, P.S. (1957) 582857  
Acta physiol.scand., 39:55-72  
The electroencephalogram of the codfish  
(Gadus morrhua). Spontaneous electrical  
activity and reaction to photic and  
acoustic stimulation

Contents as per title.

:tl

M

Kupstas, E.E. & D.J. 582860  
Honnessy (1957)  
J.Amer.chem.Soc., 79:5217-20  
Action of fish tissue on thiamine. III.  
Further elucidation of the structure  
of ichthiamine

Contents as per title.

:tl

F

Baburina, E.A. & G.A. 582858  
Buznikov (1957)  
C.R.Acad.Sci.U.R.S.S., 113:1387-90  
Hatching glands of embryos of Vimba  
vimba carinata as source of hyaluroni-  
dase and the hatching enzyme

Contents as per title.

:tl

MF

Volkov, I.I. & E.A. 582861  
Ostroumov (1957)  
C.R.Acad.Sci., U.R.S.S., 114:253-5  
Determination of thiosulfates in the  
mud waters of the sediments in the  
Black Sea

Contents as per title.

:tl

M

Lockwood, A.P.M. & P.C. 582859  
Croghan (1957)  
J.exp.Biol., 34:253-8  
The chloride regulation of the brackish  
and fresh water races of Mosidotoa  
ontomon

Contents as per title.

:tl

MF

Elliott, O.M. (1957) 582862  
ASTM Spec.tech.Publ., (207):25-40  
Sea water purification

Method of removing scales occurring from  
sea water distribution inside of the  
tubes of distillers. Partial purification  
of low concentrated saline water for  
electrodialysis is indicated.

:tl

M

Jameson, A.L.H. (1957) 582863  
J.Instn Wat.Engrs, 11:477-90  
 Woirs in the acration of rivers

Contents as per title.

Yamaguchi, M. (1957) 582866  
Bull.chom.Soc.Japan, 30:111-4  
Carotenoids of the sponge Roniora japonica

Contents as per title.

:tl

F

:tl

M

Maruyama, K. & H. 582864  
 Matsumiya (1957)  
J.Biochem., 44:537-42  
 The contractile protein from tube-foot of a starfish

Method of extracting purified contractile protein from tube-foot muscle of Asterias amurensis & description of reaction of extract in certain solutions.

:rfa

M

Parry, G. (1957) 582867  
J.exp.Biol., 34:417-23  
 Osmoregulation in some fresh-water prawns

Study of level of salt concentration in the blood & urine of Palaemonetes antennarius & comparison of the sp. with brackish water spp. P. varians & Palaemon longirostris.

:rfa

F

Balabanova, Z.M. (1957) 582865  
Izvest.Vsesoyuz.Nauch.-Issledovatel.Inst.  
Ozern.i Rechn.Rybnogo Khoz., 39:93-132  
 The physicochemical regime of the lakes of the Ural region that contain Coregonus albula

Contents as per title.

:tl

F

Fontaine, M. & M.Olivereau (1957) 582868  
J.Physiol., 49:174-6  
 The anterior interrenal (gland) and smolt-stage formation in Salmo salar

Contents as per title.

:tl

MF

La Roche, G.J.R. (1957) 582869  
Univ.Microfilms Publ., (22175):79 p.  
Lipides of the chinook salmon

Contents as per title.

:tl

MF

Ruschmann, G. (1957) 582872  
Zbl.Bakt., 110:517-33  
(Symbiotic and antibiotic relations  
between Chlorolla and microorganisms.  
I. The action of volatile metabolic  
products of various microorganisms on  
Chlorolla). Do

Contents as per title.

:tl

F

Prosson, A.V. (1957) 582870  
Univ.Microfilms Publ., (21307):82 p.  
Relation between the inorganic content  
of the blood of crayfish and their  
environment

Contents as per title.

:tl

F

Kossler, E., W. Arthur & 582873  
J.L. Druggor (1957)  
Arch.Biochem., 71:326-35  
Influence of manganese and phosphate on  
delayed light omission, fluorescence,  
photoreduction, and photosynthesis in  
algae

Contents as per title.

:tl

F

Balabanova, Z.M. (1957) 582871  
Izvest.Vsesoyuz.Nauch.-Issledovatel.Inst.  
Ozorn.i Rechn.Rybnogo Khoz., 39:208-26  
The lakes of the Tavda river basin

Information on hydrology & chemistry,  
fishes found & seasonal variations of  
tabulated values.

:ofa

F

Asano, M. & M. Ito (1957) 582874  
Tohoku J.agric.Res., 7:291-302  
Comparative biochemical studies on  
aquatic animals. II. Phosphorus turn-  
over in freshwater fish and shellfish

Reports study of P turnover of Carassius  
auratus & Anodonta lauta, & information  
on calcification of tissues & phosphorus  
distribution.

:ofa

F

Baraduc, M.M. (1957) 582875  
C.R.Soc.Biol., Paris, 151:303-5  
Influence of thyroxine on chlorido-ion  
exchange in rainbow trout (Salmo  
gairdnerii)

Contents as per title.

:tl

F

Liopolt, R. (1957) 582878  
Wass.u.Abwass. Sonderdr., (34):15 p.  
Cyan im Wasser und Abwasser (Cyanide  
in water and in polluted water)

Contents as per title.

WAD:tl

F

Rizzoli, C. (1957) 582876  
Boll.Soc.ital.Biol.sper., 33:223-6  
Protein and amino-acid composition of  
trout eggs during development

Contents as per title.

:tl

F

Liopolt, R. (1957) 582879  
Wass.u.Abwass.Sonderdr., (35):8 p.  
Phenolhaltige Abwasser in Österreich  
(Polluted waters containing phenol in  
Austria)

Contents as per title.

WAD:tl

F

Liopolt, R. (1957) 582877  
Wass.u.Abwass., Sonderdr., (33):31 p.  
Die Verunreinigung des Zellersees  
(The pollution of Lake Zeller)

Contents as per title.

WAD:tl

F

Liopolt, R. (1957) 582880  
Wass.u.Abwass.Sonderdr., (36):11 p.  
Toxikologische Untersuchung an Wasser-  
organismen (Toxicological  
investigations of aquatic organisms)

Notes on investigations to determine  
the toxicity of different substances  
contained in pollutants to  
animals & plants in natural waters.

WAD:tl

F

Léonier, R. (1958) 582881  
France pêche, 3(20):18-23.  
 N'est-il pas possible d'augmenter le  
 rendement de la pêche aux crustacés par  
 la lumière? (Is it not possible to  
 increase the yield from crustacean  
 fishing by using light?)

Discussion of the use of light in  
 fishing, of some Japanese results in  
 using light in fishing for lobsters, &  
 of lobster fisheries in various parts  
 of the world.

FAO:glk

M

Kabata, Z. (1957) 582884  
World Fish., 6(12):3 p.  
 Familiar strangers (2)

Popular notes on life history & habits  
 of giant squids, tube worm & barnacles.

FiB:hr

M

Lucano, G. (1958) 582882  
G.Posca, 8(13):1  
 Intense ricerche di nuovi banchi per  
 incrementare la pesca del tonno  
 (Intense research for new grounds to  
 increase the tuna fishery)

Review of statistics of tuna production  
 & trade, of tuna fishing fleets &  
 efforts to extend tuna fishing  
 operations.

GLK:glk

M

Toster, A.L. & E.L. 582885  
 Nakamura (1957)  
Spec.sci.Rep.U.S.Fish Wildl.Serv., (250)  
 25 p.  
 Catch rate, size, sex, & food of tunas  
 & other pelagic fishes taken by  
 trolling off Oahu, Hawaii, 1951-55

Study of Katsuwonus pelamis, Euthynnus  
yaito, Cothunnus macropterus, Auxis  
thazard, Coryphaena hippurus, Caranx  
stollatus & Acanthocybium solandri.

GLK:sjh

M

Stephen, A.C., B.B. Rao & 582883  
 M. Wilson (1957)  
Scott.Nat., 69(3):1-4  
 Rare marine invertebrates recently found  
 in the Scottish area

Records of occurrence of Palinurus  
vulgaris, Tritonia hombergi, Sepia  
officinalis, Ommatostrophus sagittatus,  
Todaropsis oblanco & Architeuthis sp.

FiB:hr

M

Hodgpoth, J.W. (1957) 582886  
Mem.geol.Soc.Amer., 1(67):29-52  
 Concepts of marine ecology. 3

An essay review, main headings being:  
 the ecosystem; trophic relationships;  
 the community; terminology; useful  
 selected bibliography.

WAD:sjh

M

Kotov, V.L. (1957) 582887  
Fish.Ind., Moscow, 33(12):55-8  
Ob okhrano i regulirovanii promysla  
tikhookoanskykh lososoi (Conservation  
measures and control over commercial  
fishing of Pacific salmonidae)

Decrease of stocks due to uncontrolled  
high-sea fishing by the Japanese in the  
N.W. Pacific. High rate of specimens  
injured by nets & hooks. Large  
quantities of immature salmon caught by  
drift-nets. Urgent need for restrictions  
on high-sea salmon fishing & extension  
of existing regulations.

FiB:go MF

Baranov, I.V. (1957) 582890  
Fish.Ind., Moscow, 33(12):65-9  
Termicheskio i gidrokhimicheskio  
usloviia zimovki ryb v Gorkovskom i  
Kuibyshevskom vodokhranilishchakh v  
pervyi god ikh sushchestvovaniia  
(Thermal & hydro-chemical conditions  
for wintering of fish in the Gorkii &  
Kuibyshev water reservoirs during the  
first year of their existence)

Data on temperature & chemical analysis  
of water. The lack of oxygen in certain  
points is due to prevalence of ground  
water inflow & to industrial & house-  
hold waste. The former will be balanced

Gusev, A.G. (1957) 582888  
Fish.Ind., Moscow, 33(12):59-60  
Likvidirovat zagriaznenie vodoemov  
bassoina Azovskogo moria (Water  
pollution within the system of the Azov  
sea should be stopped)

The decreasing importance of the Azov  
sea basin as a leading fishing resource  
is caused to a great extent by water  
pollution by industrial & household  
waste. Urgent measures recommended:  
water purifying devices should be  
improved & new ones installed; systematic  
water analysis is required.

FiB:go MF

582890  
(Card 2)  
by increased amounts of river water,  
the latter should be carefully  
controlled.



FiB:go F

Karpenko, I.M. (1957) 582889  
Fish.Ind., Moscow, 33(12):64  
Radikalnyi sposob borby s krasnukhoi  
(Radical means for controlling  
haemorrhagic septicemia)

Brief description of carp ponds  
desinfection by estivation. Ponds were  
drained for a year, damp places &  
hydraulic structures treated with quick-  
lime. Re-stocking next spring with good  
results.

FiB:go F

Kruglova, V.M. (1957) 582892  
Fish.Ind., Moscow, 33(12):70-3  
Introduktsiia kormovykh organizmov, kak  
meropriiatio dlia uvolicheniia rybnoi  
produktivnosti vodoemov (Introduction  
of live fish-food, in order to increase  
fish productivity in bodies of water)

Importance of enriching food resources  
in fish-stocked waters. Critical indicos  
of live-feed contents. Introduction &  
acclimatizing spp. that remain in the  
body of water owing to their biology.  
Experience with planned stocking of  
water reservoirs with new live fish-food.  
Transportation & release procedure.  
FiB:go MF

Vovk, P.S. (1957) 582893  
Fish.Ind., Moscow, 33(12):73-5  
 Vyrashchivanie bologo amura i tolsto-  
 lobika v rybkhoze "Nivka" (Brooding  
 of Ctenopharyngodon idella & Hypophthalmichthys molitrix on the fish farm "Nivka")

Transportation by railway, quarantine, environments, food resources, growth of the fishes transplanted to Ukrainian ponds from the river Amur. Results obtained.

FiB:go

F

Kuznetsov, A.P. (1958) 582896  
Fish.Ind., Moscow, 34(1):7-11  
 Polia pitaniia kambal v Kronotskom zalivo (Feeding grounds of flatfish in the Kronotski bay)

Composition & distribution of benthic live-feed with particular regard to the nourishment of flatfish. The latter's seasonal behaviour. Feeding grounds limited by temperature.

FiB:go

M

Panov, D.A. (1957) 582894  
Fish.Ind., Moscow, 33(12):76-7  
 O dlitel'nosti vyrashchivaniia molodi lososia na rybovodnykh zavodakh (Duration of young salmon maintenance in nurseries)

Young salmon are usually released according to the stage of development (mostly smolts). Instead, fish breeders should choose their time according to studied survival conditions in the water-course they are stocking. In the case of the river Chernaia salmon can be safely released in the 10 months fingerling stage.

FiB:go

MF

Dvinin, P.A. (1958) 582897  
Fish.Ind., Moscow, 34(1):12-5  
 Novye dannye o migratsiiakh gorbushi v raione Sakhalina (New data on migrations of humpback salmon in the Sakhalin region)

Study of different humpback salmon stocks, their peculiar behaviour & migratory route of the main mass from the Pacific feeding grounds.

FiB:go

M

Rachinskii, G.N. (1957) 582895  
Fish.Ind., Moscow, 33(12):78-80  
 Nekotorye vragi molodi ryb na nerestovo-vyrastnykh vodoemakh (Certain enemies of young fish on spawning & breeding fish farms)

Breakdown of fish eating animals into noxious, neutral & useful, the 2 latter categories feeding also on fish enemies or having a buffer value. Data based on the analysis of stomach contents of birds, frogs, snakes.

FiB:go

MF

Ioganson, B.G. (1958) 582898  
Fish.Ind., Moscow, 34(1):15-6  
 Puti razvitiia rybnogo khoziaistva v basseine verkhnego Irtysha (Course of development of pisciculture in the upper Irtysh area)

Criticism of present state of pisciculture in the region. Desiderata expressed at a meeting of ichthyologists of the Academy of Sciences.

FiB:go

F

<p>Askhaev, M.G. (1958) 582899  <u>Fish.Ind., Moscow, 34(1):17-20</u>          Rezultaty akklimatizatsii ryb v vodoomakh Vostochnoi Sibiri (Results of fish acclimatization in inland waters of Eastern Siberia)</p> <p>Description of procedure &amp; certain results of valuable food-fish release into land-locked bodies of water with a poor native fish population.</p> <p>FiB:go F</p>	<p>Bakor, G.A. (1958) 582902  <u>J.Amer.statist.Ass., 53:551-7</u>          Empiric investigation of a test of homogeneity for populations composed of normal distributions</p> <p>A test of homogeneity is developed that will frequently detect non-homogeneity by means of samples as small as fifty for some populations that are composed of normal components. The development is essentially the same as Smirnov's distribution free tests as discussed in Birnbaum's article, <u>Ann.math.Statist.</u>, 24:1-8, 1953.</p> <p>FAO:glk MF</p>
<p>Ugorov, A.G. (1958) 582900  <u>Fish.Ind., Moscow, 34(1):21-3</u>          Zerkalnyi i cheshuichatyi karpy v vodoomakh Vostochnoi Sibiri (Mirror-carp &amp; scale-carp in the inland waters of Eastern Siberia)</p> <p>Acclimatization of cultivated carp in natural bodies of water in E. Siberia. Studies on growing season temperatures, food resources &amp; seasonal gas regime of waters. Ponds for raising standard fingerlings, additional live &amp; artificial food, fertilizer. Good survival rates of wintering fingerlings provided they are well fed &amp; acclimatized.</p> <p>FiB:go F</p>	<p>Stommel, H., A.B. Arons &amp; A.J. Fallor (1958) 582903  <u>Tellus, 10:179-87</u>          Some examples of stationary planetary flow patterns in bounded basins</p> <p>A simple regime of fluid flow is defined &amp; the essential elements defining it are discussed. Predictions of patterns of flow have been deduced from the defined regime &amp; verified experimentally on a rotating model.</p> <p>FAO:tl M</p>
<p>Galkina, L.A. (1958) 582901  <u>Fish.Ind., Moscow, 34(1):23-5</u>          O vliianii stavnykh nevodov na vosproizvodstvo okhotskoi solda (Interference of pound nets with the reproduction of Okhotsk sea harrings)</p> <p>Harrings deposit spawn on nets rather than on neighbouring algae. Roe deposited on nets is very thick, only upper layers yield healthy embryos when left alone. All the roe is damaged when knocked off. Pound nets should not be used on herring spawning grounds, high sea fishing is preferable.</p> <p>FiB:go M</p>	<p>Utermöhl, H. (1958) 582904  <u>Mitt.int.Verh.Limnol., (9):38 p.</u>          Zur Vervollkommnung der quantitativen Phytoplankton-Methodik (On the improvement of the quantitative phytoplankton method). En</p> <p>A review of the important questions in counting phytoplankton with major emphasis on a description of the counting-chamber method.</p> <p>SJH:wad MF</p>

Siobert, G. (1958) 582905  
Experientia, 14:65-6  
 Aktivität Eiweiß spaltender Enzyme in  
 Fischen (The activity of protein  
 enzymes in fish). En

Comparison of the cathepsin activity of  
 fish tissues with that of mammalian  
 tissues & discussion of the significance  
 of the findings.

FAO:glk M

Ghirotti-Magaldi, A. & 582908  
 F. Ghirotti (1958)  
Experientia, 14:170-2  
 A cytochrome c from the hepatopancreas  
 of Sepia officinalis L. It

Description of the procedure for  
 purification of the cytochrome c of its  
 characteristics.

FAO:glk M

Lundin, S.J. (1958) 582906  
Experientia, 14:131-2  
 On the location of Cholinesterase in  
 fishes. Do

Preliminary study on the basis for the  
 high ChE activity in the muscles of  
 guppy & goldfish & on the location of  
 the activity.

FAO:glk F

Stolk, A. (1958) 582909  
Experientia, 14:244  
 Some species-specific tumours in fishes.  
 Do

Description of a chromophobe adenoma of  
 the pituitary gland in Molliconisia  
volifera, an ocular melanoma in  
Anoptichthys jordani & a melanoma of the  
 skin in the hybrid of Lobistes reticu-  
latus & Molliconisia sphenops.

FAO:glk F

van de Kamer, J.C. (1958) 582907  
Experientia, 14:161-6  
 Histologische und zytologische Unter-  
 suchungen über das Ependym und seine  
 Abkömmlinge (insbesondere die Epiphyse  
 und den Saccus vasculosus) bei niederen  
 Vertebraten (Histological and  
 cytological investigations of the  
 ependyma and its protuberances (especially  
 the ophiphysis and the saccus vasculosus)  
 in lower vertebrates). En

Description of ependymal cells of  
 different types in the brain wall of  
 various vertebrate spp. including some  
 fishes. Their functional interpretation  
 is discussed.

FAO:glk MF

Gilbert, P.W. & F.G. 582910  
 Wood, Jr. (1957)  
Science, 126:212-3  
 Method of anesthetizing large sharks and  
 rays safely and rapidly  
  
 Account of the method of application of  
 M.S. 222 a meta-amino-benzoic acid-  
 ethylester in the form of a methan-  
 sulphonate, & in trials of its use on  
Negaprion brevirostris & 6 other genera  
 of sharks & rays unspecified.

FAO:sjh M

Bailly, E.B. (1958) 582911  
Nature, Lond., 181:658-9  
Geological interpretation of marine  
sediments

Review of a publication by A. Lombard,  
1956, Masson & Co., Paris, 725 p.

FAO:wad

M

Romanovich, E.A. (1957) 582914  
C.R.Acad.Sci.U.R.S.S., 116:447-50  
Organicheskoe veshchestvo v kolonkakh  
donnykh otlozhonii severo-zapadnoi  
chasti Tikhogo okeana (K vostoku ot  
Kamchatki) (Organic matter in  
samples of sediment deposited on the  
ocean bed in the N.E. Pacific (east of  
Kamchatka))

Samples collected at various depths  
(3 to 7.5 km). Contents of organic  
carbon, humic & bituminous substances,  
vegetal pigments.

FAO:go

M

Kraus, E.B. (1958) 582912  
Nature, Lond., 181:666-8  
Recent climatic changes

Contains notes on the influence of the  
oceans on the climate, especially in  
respect of evaporation.

FAO:tl

M

Shobalin, O.D. (1957) 582915  
C.R.Acad.Sci.U.R.S.S., 116:591-3  
Turbulentnaia viazkost v molkovodnom  
more, obuslovlennaya volneniem  
(Turbulent viscosity in a shallow sea,  
due to wave action)

Calculation of the coefficient of  
turbulence exchange.

FAO:go

M

Mecase, J.D. & W. Fluegel (1958) 582913  
Nature, Lond., 181:699-700  
Carbohydrases in the sugar-gland juice  
of Cryptochiton (Polyplacophora,  
mollusca)

Studies of the digestive enzymes of  
Cryptochiton stelleri of the Pacific  
coast of the U.S.

FAO:wad

M

Volkov, I.I. & E.A. Ostroumov (1957) 582916  
C.R.Acad.Sci.U.R.S.S., 116:645-8  
Konkretsii sulfida zheleza v otlozheniakh  
Chernogo moria (Concretions of  
iron sulphide in Black sea sediment)

Description of samples found at  
different times & depths.

FAO:go

M

<p>Geinrikh, A.K. (1957) 582917  <u>C.R.Acad.Sci.U.R.S.S.</u>, 116:691-3  <u>Rasprostraneniye Calanus tenuicornis Dana i Calanus lighti Bowman v severnoi chasti Tikhogo okeana</u> (The distribution of <u>Calanus tenuicornis</u> Dana and <u>Calanus lighti</u> Bowman in the northern part of the Pacific)</p> <p>Description of size &amp; amount of both spp. in different areas &amp; at various depths. Account was taken of the nature - sub-arctic, subtropical &amp; mixed - of water masses.</p> <p>FAO:go M</p>	<p>Klunov, S.K. (1957) 582920  <u>C.R.Acad.Sci.U.R.S.S.</u>, 117:345-8  <u>Uchet beregovykh lezhbishch sivuchoi (Eumotopias jubatus) na Kuril'skikh ostrovakh i orientirovochnoe opredeleniye ikh chislennosti</u> (Registration of coastal rookeries of sea-lions (<u>Eumotopias jubatus</u>) at the Kuril Islands, &amp; a tentative appraisal of their number)</p> <p>Methods of observation &amp; counting. Description of sea-lion rookeries. Appraisal of annual resources.</p> <p>FAO:go M</p>
<p>Bozrukov, P.L. &amp; al. (1957) 582918  <u>C.R.Acad.Sci.U.R.S.S.</u>, 116:841-4  <u>Novye dannye o zakonomernostiakh stroeniya podvodnogo rel'efa</u> (New data on the natural laws, governing the submarine relief)</p> <p>Description of characteristic features of the submarine relief, which conform to natural laws. Natural morphologic relation between the ocean bed &amp; dry land.</p> <p>FAO:go M</p>	<p>Rasmussen, E. (1958) 582921  <u>Oikos</u>, 9(1):77-93  <u>Past and present distribution of Tapos (Venerupis) pullastra (Montagu) in Danish waters</u></p> <p>Recent distribution and new records from various areas whose hydrography is described; the relation of the spread of this organism to hydrography &amp; to the disappearance of <u>Zostera</u>.</p> <p>FAO:glk MF</p>
<p>Manuilova, E.F. (1957) 582919  <u>C.R.Acad.Sci.U.R.S.S.</u>, 117:325-8  <u>K voprosu o dinamike zooplanktona v ozorakh i vodokhranilishchakh</u> (Variation of zooplankton in lakes &amp; artificial water reservoirs)</p> <p>Research on productivity. Relation to phytoplankton. Description of spp. &amp; amounts.</p> <p>FAO:go F</p>	<p>Roynoldson, T.B. (1958) 582922  <u>Oikos</u>, 9(1):94-138  <u>The quantitative ecology of lake-dwelling triclads in Northern Britain</u></p> <p>Current taxonomy is discussed; certain chemical properties of the lake waters were measured; a quantitative sampling method is described &amp; its validity tested; relations between triclad populations &amp; chemical characteristics of the waters, climate &amp; other factors were examined.</p> <p>FAO:glk F</p>

Tiows, K.F.W. (1957) 582923  
Rome, 37 p.  
Interim report to the Government of the  
Philippines on research on marine  
fishery resources

Report of assignment for FAO under U.N.  
Expanded Technical Assistance Programme.  
Describes existing organization &  
facilities for research, history of  
research in the area; training programme;  
research on tuna, Stolophorus,  
Dactylopus & Rastrellinger, on demersal  
spp. of fish & shrimps, Leiognathus,  
Nomipterus, Saurida. Oceanographic  
observations, plankton, benthos; plans  
& budget for further work; appendix

582923  
(Card 2)  
gives list of personnel, trainees,  
budget.

SJH:sjh

M

FAO. Fisheries Division, 582926  
Biology Branch (1958)  
FAO/58/7/5129, 17 p.  
International action in the field of  
marine sciences

A review, prepared for presentation to  
the UNESCO Marine Sciences Advisory  
Committee, under the main headings:  
Scope and relations of marine sciences;  
The need for an appraisal of the status  
of marine sciences; Examples of  
problems in fisheries science that call  
for developments in the basic marine  
sciences; Marine research institutions  
and personnel; Programmes in the marine  
sciences; Marine sciences in inter-

582926  
(Card 2)  
national agencies; International  
action to assist marine sciences.

FiB:sjh

M

Morisita, M. (1957) 582925  
Seiro Seitai, 7(2):134-44  
A new method for the estimation of density  
by the spacing method applicable to non-  
randomly distributed populations.  
En Ni

A theoretical distribution is derived &  
applied to samples from an artificial  
population.

SJH:sjh

MF

Woods Hole Laboratory (1957) 582928  
Woods Hole, Massachusetts, 67 p.  
Annual report for the year ending  
June 30, 1957

Reports activities of the laboratory  
for the year ending 30.6.57 under the  
following headings: Summary of research  
activities; Vessels & shore facilities;  
Staff; Project reports; Bottom ecology;  
Cod; Flounders; Haddock; Industrial  
fishery; Plankton ecology; Population  
dynamics; Port sampling; Redfish; Sea  
scallops; Whiting; Atlantic herring  
investigation; Passamaquoddy Investiga-  
tions; Research publications; manuscripts  
completed; manuscripts in preparation.  
SJH:sjh M

Bentley, J.A. (1958) 582929  
Nature, Lond., 181:1499-1502  
Role of plant hormones in algal  
metabolism and ecology

Investigation of the effect of auxins on  
the growth of algae & of whether algae  
produce & secrete these plant hormones  
into the external medium. Demonstration  
of the presence in algae of auxin-like  
substance, examination of the nature of  
these substances & of the effect of one  
of them on algal growth.

GLK:glk

M

Godwin, H., R.P. Suggate & 582932  
E.H. Willis (1958)  
Nature, Lond., 181:1518-9  
Radiocarbon dating of the eustatic  
rise in ocean-level

Tabulation & discussion of results of  
dating submerged peat beds & former  
strandlines which are evidence of the  
time at which submergence took place in  
the eustatic restoration of ocean-  
level after the last glaciation.

GLK:glk

M

Russell, F.S. (1958) 582930  
Nature, Lond., 181:1505  
Dr. G.A. Steven

Obituary & short biography.

GLK:sjh

M

Yaldwyn, J.C. (1957) 582933  
Zool. Publ. Vict. Univ. N.Z., (22)  
Deep-water crustacea of the genus  
Sergostes (Decapoda, Natantia) from  
Cook Strait, New Zealand

Contents as per title.

:sjh

M

Chapman, V.J. & J.A. Steers (1958) 582931  
Nature, Lond., 181:1512-3  
Salt marshes

Summary report of a symposium on this  
subject held at the Marine Institute of  
the University of Georgia, on Sapelo  
Island, dealing with salt marshes as land  
forms, their vegetation, & the salt marsh  
as ecosystem.

GLK:glk

MF

VNIRO (1958) 582934  
Moscow, 86 p.  
Materialy po biologii morskogo perioda  
zhizni dal'novostochnykh lososci  
(Material on the biology of the marine  
life of Far Eastern salmon)

Contains papers on Oncorhynchus spp.  
by Moiseev, Somko, Birman, Krogus,  
Andrievskaya & Mednikov (582935, 582936,  
582937, 582938, 582939 & 582940).

GLK:sjh

MF

<p>Moiseev, P.A. (1958) 582935  <u>In 'Materialy po biologii morskogo perioda zhizni dal'novostochnykh lososoi'</u>  by VNIRO, Moscow, :3-7  Morskoi promysl lososovykh i nekotorye zadachi issledovaniia (High sea fishing of salmonidae &amp; certain research problems)</p> <p>Brief description of distribution, behaviour &amp; catches of the <u>Oncorhynchus</u> spp. Decrease of stocks due to uncontrolled high sea fishing. International conventions &amp; urgent need for enforcing conservation measures. Research should be extended from freshwater stages to the marine life of each sp. 1st results stated in following papers.</p> <p>GLK:go MF</p>	<p>Krogus, F.V. (1958) 582938  <u>In 'Materialy po biologii morskogo perioda zhizni dal'novostochnykh lososoi'</u>  by VNIRO, Moscow, :52-63  O stroenii choshui Kamchatskoi krasnoi raznykh lokalnykh stad (Scale structure of Kamchatka red salmon belonging to different local stocks)</p> <p>Distinctive features of different stocks of red salmon, according to their geographical origin. Peculiar features of scales determined by specific environment conditions at various stages of development.</p> <p>GLK:go MF</p>
<p>Semko, R.S. (1958) 582936  <u>In 'Materialy po biologii morskogo perioda zhizni dal'novostochnykh lososoi'</u>  by VNIRO, Moscow, :8-30  Nekotorye dannye o promysle, rasprostraneni i migratsiiakh dal'nevostochnykh lososoi v otkrytom more (Some data on fishing, distribution &amp; migrations of Far East salmon on the high seas)</p> <p>Japanese fisheries: number &amp; tonnage of ships, gear, catches. Description of each sp. marine abodes &amp; migrations. Commercial appraisal of each sp. Now conditions for drawing on salmon resources. Desiderata for rational commercial salmon fishing.</p> <p>GLK:go MF</p>	<p>Andriovskaia, L.D. (1958) 582939  <u>In 'Materialy po biologii morskogo perioda zhizni dal'novostochnykh lososoi'</u>  by VNIRO, Moscow, :64-75  Pitanie tikhookeanskikh lososoi v severo-zapadnoi chasti Tikhogo okeana (Nutrition of Pacific salmon in the NW Pacific)</p> <p>Nature &amp; quantity of food consumed by salmon at various stages of their migrations. Studies carried out on the 3 main spp. : chum, humpback &amp; red salmon.</p> <p>GLK:go MF</p>
<p>Birman, I.B. (1958) 582937  <u>In 'Materialy po biologii morskogo perioda zhizni dal'novostochnykh lososoi'</u>  by VNIRO, Moscow, :31-51  O rasprostraneni i migratsiiakh Kamchatskikh lososoi v severo-zapadnoi chasti Tikhogo okeana (Distribution &amp; migrations of Kamchatka salmon in the NW Pacific)</p> <p>Description of studies, performed &amp; scheduled, on losses suffered, behaviour, nutrition, maturation, etc. of different salmon stocks during the marine stage of development. Spawning migrations &amp; wintering. Means of recognition of different stocks at sea. Summertime fattening grounds.</p> <p>GLK:go MF</p>	<p>Modnikov, B.M. (1958) 582940  <u>In 'Materialy po biologii morskogo perioda zhizni dal'novostochnykh lososoi'</u>  by VNIRO, Moscow, :76-86  O planktone severo-zapadnoi chasti Tikhogo okeana (Plankton of the NW Pacific)</p> <p>Gear &amp; methods for collecting plankton. Distribution &amp; composition of plankton in different zones of the ocean. Seasonal alterations, vertical migrations of deep water animals.</p> <p>GLK:go MF</p>

Dixon, P.S. (1958) 582941

Ann.Bot., Lond., 22:353-68

The structure and development of the thallus in the British species of Gelidium and Pterocladia

Description of apical structure & development of the thalli of the spp. Gelidium & Pterocladia with detailed description of development of Gelidium pulchellum (order Floridaceae, family Gelidiaceae).

FAO:tl

M

Ralph, P.M. (1958)

582944

Trans.roy.Soc.N.Z., 85:301-56

New Zealand thecate hydroids. II. Families Lafoeidae, Lineolariidae, Haleciidae and Syntheciidae

Records, ill. descriptions of & keys for 31 spp.

FAO:sjh

M

Armstrong, J.S. (1958)

582942

Trans.roy.Soc.N.Z., 85:275-82

The breeding habits of the Corduliidae (Odonata) in the Taupo district of New Zealand

Contents as per title.

FAO sjh

F

Croome, A. (Comp.) (1958)

582945

Discovery, 19:388-9

The International Geophysical Year - Month by month

Incl. notes by I. Nicholson on the Mexican IGY programme of oceanographic expeditions in Revillagigedo Is. & Guadalupe areas; operation of tide gauges & use of electronic computer to evaluate results.

FAO:sjh

M

Richardson, L.R. (1958)

582943

Trans.roy.Soc.N.Z., 85:283-7

A new genus and species of Myxinidae (Cyclostomata)

Ill. description of specimen of Monamyxine elongata n.g. n.sp. taken near mouth of R. Kaituna, Bay of Plenty, New Zealand.

FAO:sjh

MF

Doukan, G. (1957)

582946

Do Graff, New York, 356 p.

The world beneath the waves

Beebe, W. (1958)  
Science, 127:965  
The world beneath the waves

582947

Review of 582946.

FAO

M

Lee, A. (1958) 582950  
Mar.Obs., 28:138-42  
Ice accumulation on trawlers in the  
Barents sea

Description of ice accumulation on  
research vessel ERNEST HOLT in March  
1958 & of meteorological & sea  
conditions of icing of ships in general.

FAO:tl

M

Emerson, A.E. (1958) 582948  
Science, 127:969  
Zoogeography: the geographical  
distribution of animals

Review of 570385.

FAO:

MF

Brown, S.G. (1958) 582951  
Mar.Obs., 28:142-6  
Whales observed in the Atlantic ocean.  
Notes on their distribution. Part I.

Numbers of sightings & number of porquals,  
sperm, humpback & 'large whales' in  
Mardson squares during 4 different  
seasons. Comparison of the densities of  
sightings in Atlantic & Indian oceans  
& in Antarctic.

FAO:tl

M

Martin, A.W., Jr. (1958) 582949  
Science, 127:970-1  
The physiology of fishes. II. Behaviour

Review of 570208.

FAO:

MF

L.B.P. (1958) 582952  
Mar.Obs., 28:150-1  
Weather messages from trawlers

Notes on the need to obtain  
weather messages from trawlers in order  
to be able to issue weather forecasts  
for fishing grounds.

FAO:tl

M

Coi, J.M. (1958) <u>Evolution</u> , 12:166-72 Geographic isolation and phenotypic constitution of populations of <u>Lepidobatrachus asper</u> , a neotropical batrachian inhabitant of arid regions	582953	Feinberg, J.G. (1958) <u>New Scient.</u> , 4:531-4 Patterns of immunity	582956
A sp. widespread in Gran Chaco. An isolated population of this sp. living in La Rioja differs greatly from the Gran Chaco populations. The differences may represent an extreme case of genetic divergence of geographically isolated populations.		Describes & illustrates gel precipitation plate technique & notes its application to study of taxonomic relations among whales, seals & other groups of animals.	
GLK:hr	F	FAO:sjh	MF
Main, A.R., A.K. Lee & M.J. Littlejohn (1958) <u>Evolution</u> , 12:224-33 Evolution in three genera of Australian frogs	582954	Anonymous (1958) <u>New Scient.</u> , 4:649 Under the sea with television	582957
A summary of the conclusions of a study of the evolution of the species of <u>Crinia</u> , <u>Heleioporus</u> & <u>Neobatrachus</u> .		Note on British television programmes dealing with marine biology being broadcast to public.	
GLK:hr	F	FAO:sjh	M
Anonymous (1958) <u>New Scient.</u> , 4:512 A hoodoo on the river	582955	Lear, J. (1958) <u>New Scient.</u> , 4:664 The barbor of the Bahamas	582958
Note on study by J.R. Erichsen Jones of pollution of river Ystwyth (Wales) by zinc from an abandoned mine, & its effect on promary production by algae & flowering plants & subsequently on fish & other animal life.		Popular note on symbiotic relation between shrimps & fish in which shrimps remove parasitos from fish. The relation is said to contribute to well-being of the fish.	
FAO:sjh	F	FAO:glk	M

Watts, J.C.D. (1958) 582959  
Bull.Inst.franç.Afr.noire, 20:697-752  
The hydrology of a tropical West African estuary

Contains the results of a preliminary survey, from May 1953 to April 1956, of the more important physical & chemical characteristics of the large inlet of the sea opposite Freetown known as the Sierra Leone River. Climate, temperature, salinity, rainfall & fresh water inflow are studied.

FAO:hr

MF

Miorzyński, S. & T. 582962  
Kowalski (1958)  
Prace Morsk.Inst.Ryback.Gdynia, (10):  
49-68

Badania modelowe wejścia do portu Gdańsk (Model investigations of the Gdańsk harbour entrance). En Ru

Determination of the necessary minimum length of the new breakwater & study of the effects of increased entrance width on the swell inside the harbour.

FAO:tl

M

Roberty, G. (1958) 582960  
Bull.Inst.franç.Afr.noire, 20:869-75  
Végétation de la guolta de Soungout (Mauritanie méridionale), en mars 1955 (Vegetation of the 'guolta' of Soungout (Southern Mauritania) during March 1955)

Lists the plants found on different zones of the margins of the 'guolta'.

FAO:hr

F

Miorzyński, S. (1958) 582963  
Prace Morsk.Inst.Ryback.Gdynia, (10):  
69-83

Badania modelowe falowania w porcie rybackim Hel (Swell investigation of Hel fishing harbour by model). En Ru

Investigation on model of the wave expansion round the Hel peninsula; wave penetration through harbour entrance & wave propagation inside the harbour.

FAO:tl

M

Humes, A.G. & R.F. Cresscy (1958) 582961  
Bull.Inst.franç.Afr.noire, 20:921-42  
Copepod parasites of mollusks in West Africa

Description of new spp. of copepods of the families Clausidiidae, Pseudomyicolidae & Lichomolgidae collected from the mantle cavity of certain polycypods.

FAO:hr

M

Stomianko, P. (1958) 582964  
Prace Morsk.Inst.Ryback.Gdynia, (10):  
85-103

Studium zapiaszczenia ujścia Wisły pod Swibnom (Research on shoal formation in the Vistula estuary near Swibno). En Ru

Analysis of factors causing shoaling by sand deposits & consideration of technical means to be applied for improvement of depth conditions above the sand bar.

FAO:tl

MF

Harrison, A.D. (1958) 582965  
Trans.roy.Soc.S.Afr., 35Pt.3  
 Hydrobiological studies on the Great  
 Berg River, Western Cape Province  
 Contents as per title.

:sjh

F

Anonymous (1958) 582968  
Norweg.Fish.Nows, 5(1):12-5  
 Fisheries review  
 Review of statistics for Norwegian fish  
 production January-April, 1958.

FAO:sjh

M

Klust, G. (1958) 582966  
Stud.Rev.gen.Fish.Coun.Medit., (4):16 p.  
 Ring nets made of synthetic fibres

Incl. ill. descriptions of types of ring-  
 net; properties of different fibres &  
 criteria for their choice; results of  
 experimental fishing; bibliography.

FiB:sjh

M

Anonymous (1958) 582969  
Norweg.Fish.Nows, 5(1):16-7  
 Now Norwegian fishery research vessel

Ill. & short description of M/S JOHAN  
 HJORT & its equipment.

FAO:sjh

M

Anonymous (1958) 582967  
Norweg.Fish.Nows, 5(1):5-8  
 Norwegian deep-sea research - Herring  
 and cod migrations

Account of interview with G. Rollofson,  
 Director Marine Research Institute,  
 Bergen, concerning research programmes  
 & their results so far regarding herring,  
 cod, redfish stock of N.W. Atlantic.  
 Notes on uses of the new aquarium in  
 Bergen & problems of recruiting fisheries  
 scientists.

FAO:sjh

M

Haines, R.G. (1958) 582970  
Norweg.Fish.Nows, 5(1):19-21  
 The development of echo-sounding and  
 echo-ranging

Text of first part of paper presented at  
 the FAO Fishing Gear Congress, Hamburg,  
 1957.

FAO:sjh

M

Gorshanovich, D.E. (1958) 582971  
C.R.Acad.Sci.U.R.S.S., 118:355-8  
 Tatsii sovremennykh osadkov severo-  
 zapadnoi chasti Okhotskogo moria  
 (Facies of recent sedimentation in the  
 N.E. Okhotsk sea)

Bottom relief, slope steepness, tidal  
 & general currents. Relation between  
 texture of sediments & water  
 mobility. Function of drifting ice.  
 Fragmental & organogenetic material.  
 Fluvial deposit. 3 groups: coastal,  
 coast-marine, deep-sea facies.

FAO:go

M

582973  
 (Card 2)

applied for disclosing the process of  
 sulphate reduction in silt.

FAO:go

F

Lisitsyn, A.P. (1958) 582972  
C.R.Acad.Sci.U.R.S.S., 118:373-6  
 O tipakh morskikh otlozhenii,  
 svyazannykh s deiatelnostiю ldov  
 (Types of marine deposits connected with  
 ice behaviour)

Division of so-called marine-glacial  
 sedimentation into 3 types: marine ice  
 deposits, marine iceberg deposits &  
 submarine moraines. Description of  
 origin, displacement, texture, petro-  
 graphic composition etc. of such  
 sediments.

FAO:go

M

Shuleikin, V.V. (1958) 582975  
C.R.Acad.Sci.U.R.S.S., 118:472-5  
 Razvitie morskikh voln ot zarozhdeniia  
 do naibolshei krutizny (Development  
 of sea waves from origin to maximum  
 steepness)

Tentative pattern of the first brief  
 stage when the height of a wave grows  
 quicker than its length. Relation of  
 wave steepness to the delay of develop-  
 ment.

FAO:go

M

Sokolova, G.A. & Tu.I. 582973  
 Sorokin (1958)  
C.R.Acad.Sci.U.R.S.S., 118:404-6  
 Opredelenie intensivnosti bacterialnogo  
 vosstanovleniia sulfatov v gruntakh  
 Gorkovskogo vodokhranilishcha s  
 primeneniem S<sup>35</sup> (Determining the  
 intensity of bacterial reduction of  
 sulphates in soils at the bottom of the  
 Gorki water reservoir by means of S<sup>35</sup>)

Comparatively low contents of hydrogen  
 sulphide in the silt, owing to the  
 reservoir's recent formation. Later on  
 the wintertime oxygen regime may worsen.  
 Description of the isotope method

Joff, N.A. (1958) 582976  
C.R.Acad.Sci.U.R.S.S., 118:621-4  
 Vliianie temperatury na polovoi tsikl u  
 goliana (Influence of temperature  
 on the sexual cycle of Phoxinus phoxinus)

Phoxinus was chosen for the tests owing  
 to the strong mating period pigmentation  
 of this cyprinid. Experiments in  
 aquaria along with observations made  
 in natural environments prove that a  
 rise of temperature following a period  
 of cooling is all-important for the  
 ripening of gonads.

FAO:go

F

Zinov'eva, E.G. (1958) 582977  
C.R.Acad.Sci.U.R.S.S., 118:694-7  
Zavisimost vyzhivaemosti Paramocium  
caudatum ot ikh kolichestva v odinitso  
 obiona pri obluchanii rentgenovskimi  
 izlucheni (Relation of survival rates  
 of Paramocium caudatum to their quantity  
 per unit of volume when submitted to  
 X-ray radiations)

Experiments carried out on these  
 infusoria in an attempt to standardize  
 radiation conditions in waters & to  
 appraise the effect, both direct &  
 through chemical intoxication.

Description of procedure.

FAO:go

MF

Lobkova, N.P. (1958) 582980  
C.R.Acad.Sci.U.R.S.S., 118:845-8  
Razvitie glaza minogi v sviazi s  
nekotorymi osobennostiami ee ekologii  
 (Development of the eye of lampreys in  
 connection with peculiar ecological  
 features)

Study of the lateral eyes of lampreys  
 at different stages of development & in  
 changing environments. Author contests  
 opinion that the lamprey's eye is a  
 reduced organ.

FAO:go

MF

Bruevich, S.V. (1958) 582978  
C.R.Acad.Sci.U.R.S.S., 118:767-70  
Solonost gruntovykh rastvorov Beringova  
morii (Salinity of solutions in  
 sediments of the Bering sea)

Salinity analysed by Cl microtitration  
 of pressed sedimentation solutions.  
 Core samples up to 16 m long tested.  
 Chlorinity at different points & depths.

FAO:go

M

Maksimov, I.V. (1958) 582981  
C.R.Acad.Sci.U.R.S.S., 118:888-90  
Dolgoperiodnyi lunno-solnochnyi priliv  
v mirovom okoane (Long-period tide  
 produced in the oceans by lunar &  
 solar forces)

Analysis of annual fluctuations of the  
 sea level & theoretical calculations.  
 The long-period tide is a phenomenon  
 capable of producing considerable  
 astronomic currents & plays an  
 important part in the circulation of  
 water & drift ice in high latitudes.

FAO:go

M

Strakhov, N.M. (1958) 582979  
C.R.Acad.Sci.U.R.S.S., 118:803-6  
O formakh zheleza v osadkakh Chornogo  
morii (Iron compounds in Black sea  
 sediment)

Samples analysis. Ways in which  
 elements enter the sea. Importance of  
 the transport function of affluents.

FAO:go

M

Bogorov, V.G. (1958) 582982  
C.R.Acad.Sci.U.R.S.S., 118:917-9  
Produkttsiia planktona i kharakteristika  
biogeograficheskikh oblastei okoana  
 (Plankton production & distinguishing  
 features of biogeographic areas of the  
 ocean)

Data on carbon & plankton production,  
 on SiO<sub>2</sub> found in sediment & produced by  
 diatoms. Plankton is more numerous in  
 the boreal than in the tropical area.  
 The same is true for organic matter &  
 silica in sediments.

FAO:go

M

Avilov, I.K. (1958) 582983  
C.R.Acad.Sci.U.R.S.S., 118:1155-7  
 Novaia tekstura morskikh osadkov  
 (Now texture of marine sediment)

Description of core samples of a spongy texture collected for the first time in the Gulf of Finland. Cavities due to inflammable gas penetrating from beneath. The process stopped about 1000 years ago.

FAO:go M

Olson, E.C. & R.L. Miller (1958) 582986  
The University of Chicago Press,  
Illinois, 317 p.  
 Morphological integration

This detailed theoretical study of comparative animal form is illustrated by several examples, among them Rana pipiens.

FAO:sjh F



Geinrikh, A.K. (1958) 582984  
C.R.Acad.Sci.U.R.S.S., 118:1191-3  
 Vortikalnoe raspredelenie kopopod v Kyrosio i sposob ikh proniknoveniia v zonu smosheniia subtropicheskikh i subarkticheskikh vod (Vortical distribution of copepoda in the Kuroshio & means of their penetration into the zone of intermixing of subtropical & subarctic waters)

Changing vortical distribution explained by daily migrations. Different spp. & usual concentrations. Spp. found in the northern part of the intermixing zone are those who are able to dwell in upper strata of the current.

FAO:go M

Lowin, H.G.D. (1958) 582987  
Malay.Nat.J., 12:158-60  
 Dolphins in the South China sea

Records of occurrence of Orcella brevirostris, Dolphinus delphis, Pro-dolphinus malayanus & Sotalia borneensis with notes on other unidentified spp.

GLK:hr M

Somina, G.I. (1958) 582985  
C.R.Acad.Sci.U.R.S.S., 118:1194-6  
 Tipizatsiia razlichnykh uchastkov nereticheskoi zony borealnoi oblasti Tikhogo okeana (Typifying of different sections of the neretic zone within the boreal area of the Pacific ocean)

Attempt to typify the neretic zone of the N. Pacific, according to quantities of phytoplankton. 2 types of seasonal development, corresponding to the Anadyr & Kamchatka sections of the zone.

FAO:go M

Alfred, B.R. (1958) 582988  
Malay.Nat.J., 12:161-3  
 The food and habitat of the fighting-fish Betta pugnax

In the absence of any notable competition the species feeds on terrestrial insects mainly ants; when other spp. invade its habitat it utilises aquatic larval insects, with competition within the sp. itself it becomes an omnivore & includes algae in the diet.

GLK:hr F

Johnson, D.S. (1958) 582989  
Malay.Nat.J., 12:185-6  
Size-variation in the edible pond-snail

An ill. note on the size & habitat relationships of Pila conica.

GLK:hr

F

Price, J.L. (1958) 582992  
Canad.J.Res.(Zool.), 36:285-303  
Cryptic speciation in the vernalis group of cyclopidae

Breeding experiments performed on the descendants of 30 separate populations of Cyclops vernalis Fischer show a pattern of positive & negative results indicating the existence of 7 reproductive isolates. They are, for the most part, not easily indentifiablo but the one which varies the least is shown to be referable to C. brovispinosus. No attempt is made to name the 6 other isolates.

FAO hr

F

Steiner, G. (1958) 582990  
Canad.J.Res.(Zool.), 36:269-78  
Monhystera cameroni n. sp. - A nematode commensal of various crustaceans of the Magdalen Islands and Bay of Chaleur (Gulf of St. Lawrence)

The known cases of monhysterid nematodes showing commensalism with crustaceans are reviewed & a new one, that of Monhystera cameroni n.sp., described. Its relationship to M. socialis & M. chitwoodi n.sp. is discussed. M. chitwoodi is established as a separate sp. The occurrence of microsporidial parasites in M. cameroni is mentioned.

FAO:hr

M

Berkeloy, E. & C. Berkeloy (1958) 582993  
Canad.J.Res.(Zool.), 36:399-407  
Some notes on a collection of Polychaeta from the Northeast Pacific south of latitude 32° N.

29 spp. of Polychaeta collected on, or near, the West coast of Lower California & of Mexico are recorded. 17 of them are pelagic. Of these, 10 are heteronemoid phases of various Nereididae. One sp. (Maupasias caeca) is new to the NE Pacific.

FAO hr

M

Kitts, W.D. & al. (1958) 582991  
Canad.J.Res.(Zool.), 36:279-83  
The normal blood chemistry of the beaver (Castor canadensis). A. Packed-cell volume, sedimentation rate, hemoglobin, erythrocyte diameter, and blood cell counts

Packed-cell volume, sedimentation rate, hemoglobin, red blood cell count, white blood cell count, differential count, & red cell diameter have been determined on blood samples taken from 22 beavers. The various values obtained are in general comparable with those reported for the other rodents.

FAO:hr

F

Moorovitch, E. (1958) 582994  
Canad.J.Res.(Zool.), 36:423-7  
A new host of Entamoeba invadens Rodhain, 1934

A strain of Entamoeba invadens isolated for the first time from a natural infection in a painted turtle, Chrysemys picta. E. invadens in the past had been isolated only from captive snakes which might have become infected in captivity from turtle carriers, suggesting that E. invadens is a natural, non-pathogenic parasite of turtles.

FAO:hr

M

Ronald, K. (1958) 582995  
Canad.J.Res.(Zool.), 36:429-34  
The metazoan parasites of the Heterosomata of the Gulf of St. Lawrence. IV. Costoda

Diplocotyle olrikii, Clostobothrium crassiceps, Bothriocophalus scorpii, & B. claviceps; Scolox plourenoctis, Phyllobothrium sp. (larva), & a tetraphyllidean plerocercoid (Costoda) were identified in a study of 560 specimens of Heterosomata (Hippoglossoides platessoides, Hippoglossus hippoglossus, Limanda ferruginea, Liopsetta putnami, Pseudopleuronectes americanus, & Scophthalmus aquosus) from the Gulf of

582995  
(Card 2)  
St. Lawrence area. The distribution of the hosts is indicated.

FAO:hr M

Laird, M. (1958) 582997  
Canad.J.Res.(Zool.), 36:441-6  
Parasites of South Pacific fishes. III. Trematodes from the Solomons and new hobrudes, with a description of Daitreosoma parva n. sp. (Monogenea) from Guadalcanal

Daitreosoma parva n. sp. was discovered in gill smears from 4 of 5 glassies, Ambassis miops from fresh-water pools on Guadalcanal, British Solomon Islands Protectorate. An encysted metacercaria of Stephanostomum sp. is also recorded from the gills of A. miops. Mugil oligolepis from a tidal stream on the island of Ancityum, New Hobrudes, had an

582997  
(Card 2)  
example of an undetermined sp. of Microcotyle on its gills.

FAO:hr MF

James, R.W. (1957) 582999  
Spec.Publ.U.S.Navy hydrogr.Off., (1):78p  
Application of wave forecasts to marine navigation

Discusses effects of currents, winds, & waves on ship propulsion. Methods shown for use of synoptic & prognostic wave charts for selection of an approximate least-time track; gives examples of tracks used by commercial steamship companies.

FAO:tl M

Brook, A.J. & A.V. Holdon (1957) 583000  
Freshw.Salm.Fish.Res., (17):30 p.  
Fertilization experiments in Scottish Freshwater Lochs. I. Loch Kinardochy

Presents the results obtained with calcium superphosphate in a 41-acre (16.6-ha.) hill loch, with special reference to chemical & botanical changes.

FAO:wad F

Mackenthun, K.M. (1958) 583001  
Comm. on Water Pollution, Madison, Wis.,

64 p.

The chemical control of aquatic nuisances

A report on the use of chemicals in lakes, ponds, & streams for control of algae, weeds, & other nuisances. Methods of control, history of the control program, general procedure, & statutory procedure. Under sections on aquatic rooted vegetation, algae, & swimmers' itch, the author discusses the nature & development of the nuisance, chemical control equipment & application details, & effects of treatment.

:sjh

F

Nigeria, Federal Fisheries Service (1957) 583004

Federal Government Printer, Lagos, 11 p.  
Annual report for the year 1955-56

Contains a history of the growth of fisheries work in Nigeria, & a discussion of the federal research program which covers scientific research & technological investigations. Activity reports of the Sea Fisheries Section & the Fish Culture & Inland Fisheries Section are also included.

:sjh

MF

Cumley, R.W. (Comp.) (1957) 583002  
Professional Publication Producers,  
Houston, Texas, 64 p.

Fisherman's guide to the fishes of the eastern Gulf of Mexico and South Atlantic coast.

Contents as per title.

sjh

M

Anonymous (1958) 583005  
S. Carol. Wildl., 5(1):4-5

Partial culture of oysters at Bears Bluff Promising

Describes briefly the life history of the oyster, the construction of ponds, & the early work in South Carolina on the culture of oysters.

:sjh

M

East Africa High Commission (1957) 583003  
Nairobi, Kenya, 22 p.

Lake Victoria Fisheries Service, annual report 1956/57

Reports on the general activities of the Service, incl. studies on motor fishing vessels, radio equipment, motor transport, fishing craft, experimental fishing, tilapia fish ponds, fish marking, illegal fishing, deep-water surveys, net trials & fish culture. Also presents summaries of annual catches in 1956 at recording stations in Uganda, Tanganyika & Kenya.

:sjh

F

Welandor, A.D. (1957) 583006

Appl. Fish. Lab., Univ. Wash. Seattle, 43 p.  
Reef activity in reef fishes of Belle Island, Eniwetok Atoll, April 1954-November 1955

Contents as per title.

:sjh

M

Anonymous (1957) 583007  
Publ. Health Engng Sect. Univ. Durham,  
King's Collogo, 326 p.  
 The treatment of trade-waste waters  
 and the prevention of river pollution  
 Contents as per title.

Spain. Instituto de 583010  
Investigaciones Pesqueras (1957)  
Barcelona, 121 p.  
 III reunion sobre productividad y  
 pesquerias (Third meeting on  
 production and fisheries)

The various articles cover, among others,  
 the following topics pertaining to  
 Spanish fisheries: sardino (Sardina  
pilchardus Walb.) fishery; trawling  
 problems in deep waters; limits &  
 seasons for trawling in the Mediterranean  
 sea; & biological & statistical data on  
 tuna (Thunnus thynnus L.).

:sjh

F

:sjh

M

Canada. Department of 583008  
 Fisheries (1958)  
Vancouver, B.C., 14 p.  
 Salmon spawning report - British  
 Columbia, 1957

A report covering the seeding of the  
 salmon spawning areas. Developments or  
 trends of the 1957 migration & spawning  
 escapement of salmon, by spp. & areas,  
 are discussed.

Holloway, A.D. (1958) 583011  
Wis. Conserv. Bull., 23(3):24-5  
 Federal fisheries activities in  
 Wisconsin

Describes the functions & activities of  
 the Fish & Wildlife Service in Wisconsin;  
 in addition to operating 3 hatcheries in  
 Wisconsin, the Service is concerned with  
 both sport & commercial fishing.

:sjh

MF

:sjh

F

Iwasaki, H. & C. Matsudaira (1957) 583009  
Tohoku J. agric. Res., 8(1):47-54  
 Studies on the physiology of a laver,  
Porphyra tonora Kjellm. III. Chemical  
 factors influencing upon the photo-  
 synthesis

Contents as per title.

Chittleborough, R.G. (1958) 583012  
Aust. J. Mar. Freshw. Res., 9(1):1-18  
 The breeding cycle of the female  
 humpback whale, Megaptera nodosa  
 (Bonnaterre)

Gestation period & season; size of  
 calves, sex-ratio, description of breaking  
 of umbilical cord; histology of mammary  
 gland, period of lactation, composition  
 of milk; examples of ovulation during  
 suckling, renewal of oestrous cycles; 3  
 types of breeding cycles.

:sjh

M

GLK:sjh

M

Nicholls, A.G. (1958) 583013  
Aust.J.Mar.Freshw.Res., 9(1):19-59  
 The Tasmanian trout fishery. II. The fishery of the north-west region

Description of the rivers; anglers catches; size & age composition - growth & mortality rates; seasonal catch variations; growth in estuaries; value of artificial propagation; movements of tagged fish. Mentions also fishery for whitebait, Lovettia seali.

GLK:sjh

MF

Tranter, D.J. (1958) 583016  
Aust.J.Mar.Freshw.Res., 9(1):135-43  
 Reproduction in Australian pearl oysters (Lamellibranchia). I. Pinctada albina (Lamarck): primary gonad development

Ill., anatomy & histology; development, maturity.

GLK:sjh

M

Ling, J.K. (1958) 583014  
Aust.J.Mar.Freshw.Res., 9(1):60-110  
 The sea garfish, Reporhamphus melanocir (Cuvier & Valenciennes) (Homiramphidae), in South Australia: brooding, age determination, and growth rate

Commercial fishery - gears, catches, areas; sampling methods; spawning habits, anatomy of gonads, verification of age determination; management of the fishery.

GLK:sjh

M

Tranter, D.J. (1958) 583017  
Aust.J.Mar.Freshw.Res., 9(1):144-58  
 Reproduction in Australian pearl oysters (Lamellibranchia). II. Pinctada albina (Lamarck): gametogenesis

Ill. cytological study; cycle of gonad activity.

GLK:sjh

M

Dall, W. (1958) 583015  
Aust.J.Mar.Freshw.Res., 9(1):111-34  
 Observations on the biology of the greentail prawn, Metapenaeus mastersii (Haswell) (Crustacea decapoda: Penaeidae)

Description of ecology, growth & behaviour of a population in Brisbane R., Queensland; salinity tolerance; spawning places; diurnal rhythm.

GLK:sjh

MF

Wilhelm, F. (1958) 583018  
Gewässer u. Abwasser, (19):40-65  
 Vorläufiger Bericht über die Temperatur- und Sauerstoffaufnahme im Schliersee 1956 (Preliminary report of the survey of temperature and oxygen in Lake Schlier, 1956)

Distribution of temperature with depth, its seasonal changes, wind currents & seiches in the lake.

FAO:tl

F

Ellis, R.J. & H. Gowing (1957) 583019  
Limnol.Oceanogr., 2:299-308

Relationship between food supply and condition of wild brown trout, Salmo trutta Linnaeus, in a Michigan stream

Monthly samples were collected from the 2 areas to determine the seasonal cycles in abundance of bottom fauna, feeding habits of the trout, & coefficient of condition.

HR:tl

F

Boden, B.P. & E. Brinton (1957) 583022  
Limnol.Oceanogr., 2:337-41

The euphausiid crustaceans Thysanopoda aequalis Hansen & Thysanopoda subaequalis Boden, their taxonomy and distribution in the Pacific

The original specific criteria given for Thysanopoda subaequalis are shown to be unreliable. However, on fresh morphological & distributional evidence it is decided that the sp. is valid. Its diagnosis is modified & the distribution of the sp. in relation with Thysanopoda aequalis is discussed.

HR:tl

M

Turekian, K.K. (1957) 583020  
Limnol.Oceanogr., 2:309-14

The significance of variations in the strontium content of deep sea cores

An Atlantic equatorial eupelagic core was systematically analyzed for strontium & calcium at 10-cm intervals down the core. The strontium-to-calcium ratio in the fine fraction of the core is related to the Ericson temperature curve.

HR:tl

M

Smayda, T.J. (1957) 583023  
Limnol.Oceanogr., 2:342-59

Phytoplankton studies in lower Narragansett Bay

A total of 82 surface samples were collected at 3 stations in lower Narragansett Bay from June 1954 through February 1955. Measurements of temperature, salinity, transparency, phosphate, iron, & oxygen were made, & 75 production & nutrient metabolism experiments were conducted.

HR:tl

M

Verduin, J. (1957) 583021  
Limnol.Oceanogr., 2:333-6

Daytime variations in phytoplankton photosynthesis

Study of CO<sub>2</sub> removal in Lake Erie at different hours of the day during the months of July & August 1954.

HR:tl

F

McLeod, G.C. (1957) 583024  
Limnol.Oceanogr., 2:360-2

The effect of circularly polarized light on the photosynthesis and chlorophyll *a* synthesis of certain marine algae

Investigations on the effect of right & left circular polarized light on photosynthesis & chlorophyll *a* synthesis as compared with light through neutral density filters.

HR:tl

M

Weiss, C.M. & J.L. Botts (1957) 583025  
Limnol.Oceanogr., 2:363-70  
 The response of some freshwater fish to  
 isopropyl methylphosphonofluoridate  
 (Sarin) in water

The toxic response & behaviour of the  
 fathead minnow (Pimephales promelas),  
 the green sunfish (Lepomis cyanellus),  
 & the goldfish (Carassius auratus) have  
 been determined on exposure to water  
 solutions of isopropyl methylphosphono-  
 fluoridate (Sarin).

HR:tl

F

Grevon, S.H. (1957) 583028  
Gewässer u.Abwasser, (17/18):82-7  
 Wasserwanzen aus dem 'Schwarzen Wasser'  
 bei Wesel und der 'Waldwinkelkuhle' bei  
 Krofeld (Water bugs from 'Schwarzen  
 Wasser' near Wesel and from  
 'Waldwinkelkuhle' near Krofeld)

List of bugs of families Corixidae,  
 Notonectidae & Guerriidae.

FAO:tl

F

Bahr, K. (1957) 583026  
Gewässer u.Abwasser, (17/18):7-17  
 Fischerei und Wasserwirtschaft  
 (Fisheries and water management)

Discussion of pollution effects &  
 improvements in small streams.

FAO:tl

F

Knott, W. (1957) 583029  
Gewässer u.Abwasser, (17/18):83-96  
 Die Culiciden des 'Schwarzen Wassers'  
 bei Wesel und seiner nächsten Umgebung  
 (Culicidae of 'Schwarzen Wassers' in the  
 vicinity of Wesel)

Description of 9 Culicidae spp. &  
 discussion of factors affecting the  
 quantities of mosquitoes in lower  
 Rhine area.

FAO:tl

F

Barth, H. (1957) 583027  
Gewässer u.Abwasser, (17/18):18-81  
 Aufnahme und Abgabe von CO<sub>2</sub> und O<sub>2</sub> bei  
 submersen Wasserpflanzen (Uptake and  
 emission of CO<sub>2</sub> and O<sub>2</sub> by submerged  
 water plants)

CO<sub>2</sub> balance in water; daily course of  
 photosynthesis, influence of environ-  
 mental & physiological factors on the  
 photosynthetic rate.

FAO:tl

F

Lenoble, J. (1957) 583030  
Bull.Com.contr.Océanogr., 9:10-20  
 Etude de la pénétration du rayonnement  
 ultraviolet naturel dans la mer  
 (Study of natural ultraviolet radiation  
 penetration in the sea)

Theoretical discussion; description of  
 methods & apparatus; results of  
 measurements in the Mediterranean & off  
 Breton.

FAO:glk

M

Guilcher, A. & al. (1957) 583031  
Bull.Com.contr.Océanogr., 9:21-54  
Les cordons littoraux de la rade de  
Brest (The off-shore bars of the  
Brest roadstead)

Granulometric & morphoscopic account of  
the materials of the bars; description  
of the many types of accumulations;  
some particular characteristics of the  
bars, & their evolution.

FAO:glk

M

Anonymous (1957) 583034  
Bull.Com.contr.Océanogr., 9:163-70  
Aperçu sur les recherches récentes  
d'océanographie physique en Grande-  
Bretagne (Outline of recent physical  
oceanographic researches in Great  
Britain)

Translation of part of the report of the  
National Oceanographic Council (1955-56).

FAO:glk

M

Anonymous (1957) 583032  
Bull.Com.contr.Océanogr., 9:81-6  
Travaux océanographiques dans l'Océan  
Pacifique Est (Oceanographic work in  
the East Pacific Ocean)

Account of the EASTROPIC operation.

FAO:glk

M

Guilcher, A. (1957) 583035  
Bull.Com.contr.Océanogr., 9:171-8  
L'hydrologie de l'espace maritime entre  
les Philippines et le Kamtchatka,  
d'après les travaux japonais parus en  
1955 (Hydrology of the marine space  
between the Philippines and Kamtchatka,  
from the work of the Japanese  
appearing in 1955)

Temperature; the subtropical convergence  
in the sea of Japan; the Kuroshio & the  
Oyashio. From Japanese literature.

FAO:glk

M

Lacaze, J. & R. Mayençon (1957) 583033  
Bull.Com.contr.Océanogr., 9:87-140  
Etude météorologique concernant l'état  
de la mer en baie d'Alger et aux caps  
Caxine et Matifou. Possibilités d'appli-  
cation à la prévision (Meteorological  
study concerning the state of the sea  
in the Bay of Algiers and at Capes Caxine  
and Matifou. Possibilities of  
application and prediction)

Attempt to clarify in relevant data the  
action of the wind on the sea, seeking  
the meteorological conditions under  
which the sea is strongest.

FAO:glk

M

Vergor, F. (1957) 583036  
Bull.Com.contr.Océanogr., 9:179-88  
Colmatage et endiguements sur les  
rivages de la baie de Bourgneuf (Vendée)  
(Filling-in and embankments on the  
shores of Bourgneuf Bay (Vendee))

Description of the regime of currents  
etc.; account of the foreshores.

FAO:glk

M

Anonymous (1957) 583037  
Bull.Com.contr.Océanogr., 9:204-11  
 Année Géophysique Internationale.  
 Réunion à Göteborg du groupe de travail  
 d'océanographie physique (Inter-  
 national Geophysical Year. Meeting at  
 Göteborg of the working group on  
 physical oceanography)

Summary of plans.

FAO:glk

M

Bonnefille, R. (1957) 583040  
Bull.Com.contr.Océanogr., 9:265-9  
 Formation expérimentale d'un point  
 amphidromique sous l'effet de la force  
 de Coriolis (Experimental formation  
 of an amphidromic point under the  
 influence of Coriolis's force)

Description of a revolving schematic  
 model of the English Channel & of some  
 results obtained with it.

FAO:glk

M

Saint-Guily, B. (1957) 583038  
Bull.Com.contr.Océanogr., 9:213-39  
 Quelques compléments sur la théorie des  
 courants de dérive (Some  
 contributions to the theory of non-  
 stationary drift currents)

Examination of the problem for a closed  
 circular sea of finite depth,  
 supposing the movement symmetrical with  
 regard to the centre & taking account  
 of the vertical component of speed &  
 lateral turbulence.

FAO:glk

M

Ivanoff, A. (1957) 583041  
Bull.Com.contr.Océanogr., 9:270-83  
 Au sujet de la visibilité des objets  
 immergés (Concerning the visibility  
 of immersed objects)

Resumé of oceanographic optics;  
 contrast of objects at different views.

FAO glk

M

Golci, R., H. Cazalé & 583039  
 M.T. Tanguy (1957)  
Bull.Com.contr.Océanogr., 9:240-9  
 Contribution à l'étude statistique des  
 lames océaniques (Contribution to  
 the statistical study of oceanic waves)

The empirical study of certain  
 correlations & the distribution of  
 certain wave characteristics.

FAO:glk

M

Eyrios, H. (1957) 583042  
Bull.Com.contr.Océanogr., 9:309-13  
 Les nouveaux treuils océanographiques  
 de construction française (The new  
 oceanographic winches of French  
 construction)

Illustration & brief description of the  
 equipment & statement of characteristics.

FAO:glk

M

Anonymous (1957) 583043  
Bull. Com. contr. Océanogr., 9:314-6  
Au sujet des marées du littoral  
antarctique (Concerning tides on the  
Antarctic littoral)

Reference to the results obtained by the  
French Polar Expedition in Terre Adolice  
in 1950/52, with summary statement of  
principal results.

FAO:glk

M

Grousson, R. & A. 583046  
Comolot-Tirman (1957)  
Bull. Com. contr. Océanogr., 9:359-69  
Hydrologie dans la partie orientale de  
l'Atlantique Nord - Résultats des  
travaux de la Mission hydrographique des  
Côtes de France et d'Afrique du Nord  
(Hydrology in the eastern part of the  
North Atlantic - Results of the work of  
the Hydrographic Mission for the coasts  
of France and North Africa)

T-S diagrams & sections, & data  
tabulations from observations made in  
1955-56, from Cape St. Vincent to  
Casablanca, & west of Agadir.

FAO:glk

M

Anonymous (1957) 583044  
Bull. Com. contr. Océanogr., 9:317-24  
Peut-on utiliser le courantmètre à  
électrodes remorquées dans les travaux  
hydrographiques? - Causerie prononcée  
au cours de la VIIème Conférence hydro-  
graphique Internationale (Can one  
use the current metre with towed  
electrodes in hydrographic work? -  
Discussion during the 8th International  
hydrographic Conference)

The principal of the method, conditions  
of towing, electrical state of the sea,  
magnetic & telluric perturbations, & the  
conditions of hydrographic survey as  
considerations.

FAO:glk

M

Lisitzin, E. (1957) 583047  
Bull. Com. contr. Océanogr., 9:370-9  
La reproduction des variations saison-  
nières du niveau des océans à l'aide  
d'une onde annuelle et d'une onde semi-  
annuelle (The reproduction of  
seasonal variations in sea-level with  
the aid of annual & semi-annual waves)

Tabular comparison of observed monthly  
levels of various seas & oceans with  
levels calculated from harmonic  
constants of annual & semi-annual period.

FAO:glk

M

Bourcart, J. (1957) 583045  
Bull. Com. contr. Océanogr., 9:325-36  
Premier rapport sur les fonds moublés de  
la baie du Mont Saint-Michel (First  
report on the shifting bottoms of Mont  
St. Michael Bay)

Account of the nature of the bottoms.

FAO:glk

M

Gautier, Y.V. (1957) 583048  
Bull. Com. contr. Océanogr., 9:380-4  
Résultats de trois lâchers de cartes  
dérivantes à l'est des îles d'Hyères  
(Results from three releases of drift  
cards to the east of the Hyères Islands)

Tabulation & chart contributing to  
knowledge of currents in the western  
Mediterranean.

FAO:glk

M

Grousson, R. (1957) 583049  
Bull.Com.contr.Océanogr., 9:411-2  
Bathymétrie de la côte atlantique du  
Maroc (Bathymetry of the Atlantic  
coast of Morocco)

Chart showing the results of a survey  
made in 1955.

FAO:glk

M

Riviero, A. (1957) 583052  
Bull.Com.contr.Océanogr., 9:436-54  
Etudes littorales (Littoral studies)

Some new views on processes involved in  
the maintenance of the profile of a  
littoral in equilibrium, in erosion,  
transport of material, profile movements  
& beach formations of periodic  
character; with notes on technical  
implications with regard to harbour  
works & other structures.

FAO:glk

M

Lizeray, J.-C. (1957) 583050  
Bull.Com.contr.Océanogr., 9:413-5  
Travaux océanographiques récents de  
l'ELIE MONNIER en Méditerranée occiden-  
tale (Recent oceanographic work of  
the ELIE MONNIER in the western  
Mediterranean)

Note on current measurements with G.L.K.  
& of temperature & salinity observations  
(tabulated), made during April 1957.

FAO:glk

M

Anonymous (1958) 583053  
New Scient., 4:603-4  
The triumph of the NAUTILUS

A note on problems of navigation in the  
polar regions & some aspects of arctic  
oceanography.

FAO:sjh

M

Golci, R., H. Cazal & 583051  
J. Vassal (1957)  
Bull.Com.contr.Océanogr., 9:416-35  
Prévision de la houle - La méthode des  
densités spectro-angulaires (Swoll  
prediction - The method of spectro-  
angular densities)

Results from the application of this  
method by the Meteorological Centre of  
Casablanca permit the identification of  
2 categories of discrepancy in the  
predictions: random & systematic; the  
causes of these are analysed.

FAO:glk

M

McDowell, R.H. (1958) 583054  
New Scient., 4:612-4  
Chemicals from seawood

Brief account of the kinds of seawoods  
used, & of the conditions under which  
they are found with description of  
products & their industrial uses.

FAO:glk

M

Timmormans, J.A. (1957) 583055  
Trav.Sta.Rech.Groenendaal, (21D):84 p.  
Estimation des populations piscicoles -  
Application aux eaux courantes rhéophiles  
(Estimation of fish populations - An  
application to flowing waters). En  
Do

Discussion of methods; report of  
estimations, using electrical fishing,  
tagging & analysis of relative  
abundance of spp., in swiftly flowing  
Belgian streams, & in an old river bed.

GLK:glk

F

Buşniţă, Th. (1958) 583058  
Bul.Inst.Cerc.piscic.Roman., 17(1):13-27  
Din activitatea Staţiunii de Cercetări  
piscicole Nucet - Raionul Tîrgovişte -  
în anul 1957 (The activities of the  
Fisheries Research Station of Nucet -  
Department of Tîrgovisto - during 1957).  
Fr

The activities were the following: 1)  
limnological & biological observations  
of the ponds of the station; 2) increase  
of the yield of the ponds by rational  
utilization of the water supply; 3)  
study of artificial feeding of fish; 4)  
study of crossings of Cyprinus & of  
Carassius; 5) study of carp dropsy;

Srivastava, P.N. (1958) 583056  
Curr.Sci., 27:144-5

Primitive features in the alimentary  
canal of Gadusia chapra (Hamilton)

Describes a histological study of the  
distribution of nerve cells of the  
buccal region & suggests a  
correlation with feeding habits.

FAO:wad

F

583058  
(Card 2)

6) culture of Corogonus lavaretus  
maracnoides; 7) study of reproduction  
of Carassius auratus gibelio.

Mălăeoa, I. (1958) 583057  
Bul.Inst.Cerc.piscic.Roman., 17(1):5-11  
Pe marginea realizărilor Institutului de  
Cercetări Piscicole în anul 1957  
(The activities of the Institute of  
Fisheries Research during 1957). Fr

The activities encompassed studies in  
the Black Sea & coastal lakes, the  
Danube & its flooded areas & delta, &  
other inland waters. Research was  
directed towards the increase of  
production, & recommendations were made  
to that effect.

FAO:hr

MF

Mirică, Gh. (1958) 583060  
Bul.Inst.Cerc.piscic.Roman., 17(1):29-43  
Panta şi viteza de scurgere a apelor din  
reţeaua hidrografică a deltei Dunării  
(The gradient & speed of flow of  
the waters of the hydrographic system in  
the Danube delta). Fr

Reviews the main characteristics of the  
delta.

FAO:hr

MF

Bușniță, Th. (1958) 583061  
Bul.Inst.Cerc.piscic.Roman., 17(1):45-56  
 Principii pentru prognoza de lungă  
 durată în pescuitul nostru marin  
 (Principles of long term prognosis in  
 marine fisheries). Fr Ru

Classifies the spp. of fish by  
 behaviour & prolificness & outlines the  
 principal factors of fish production.

FAO:hr

M

Enăceanu, V., D. Radu & 583064  
 M. Ion (1958)  
Bul.Inst.Cerc.piscic.Roman., 17(1):71-6  
 Experimentări privind colectarea și  
 corectarea planctonului  
 (Experiments concerning plankton  
 collection & analysis). Fr Ru

Description of a modified plankton net  
 recommended for shallow waters, lakes  
 or ponds with moderate developed  
 vegetation.

FAO:hr

F

Ionoscu, N. & Gh. 583062  
 Șerpoianu (1958)  
Bul.Inst.Cerc.piscic.Roman., 17(1):57-64  
 Observații asupra hranei rechinului  
 (Squalus acanthias L.) din Marea Neagră  
 (Observations on feeding of piked dog-  
 fish (Squalus acanthias L.) of the Black  
 Sea). Fr Ru

Studies of the feeding habits  
 demonstrated the relationship between  
 food availability & distribution of the  
 sp.

FAO:hr

M

Ștefan, M. (1958) 583065  
Bul.Inst.Cerc.piscic.Roman., 17(1):77-82  
 Rolul organelor de simț în comportarea  
 peștilor în grup (Function of  
 senses in fish behaviour in schools).  
 Fr Ru

Experiments demonstrated that among  
 large Gasterosteus aculeatus, sight is  
 the primary sense, & among Phoxinus  
phoxinus, Cyprinus carpio & Carassius  
carassius is the olfactory sense.

FAO:hr

F

Muntoanu, Gh.I. (1958) 583063  
Bul.Inst.Cerc.piscic.Roman., 17(1):65-70  
 Răspîndirea șalăului (Lucioperca lucio-  
perca L.) în Delta Dunării (The  
 perch-pike of the Delta of the Danube  
 (Lucioperca lucioperca L.)). Fr Ru

Of the spp. (Lucioperca lucioperca &  
Lucioperca volgensis) inhabiting  
 Romanian waters the first accounts for  
 most of the perch-pike production of the  
 delta of the Danube & lake Razelm.  
 Although the natural conditions there  
 are not generally favorable for the  
 development of the spp., production has  
 lately improved due to stocking & more  
 intensive fishing.

FAO:hr

MF

Gayral, P., P. Dangoard & 583066  
 R. Gauré (1958)  
C.R.Acad.Sci., Paris, 247:386-90  
 Observations sur le développement d'une  
Ulva et d'une Enteromorpha de la côte  
 atlantique du Maroc (Observations  
 on the development of an Ulva and an  
Enteromorpha from the Atlantic coast of  
 Morocco)

Ill. study of morphology of U. linearis  
 & U. flabellata.

FAO:sjh

M

Oppedal, G. (1957) 583067  
Fiskeridir.Småskr., (1):41 p.  
Lofotfiskets lønnsomhet 1956  
(Rentability of Lofoten fishery 1956)  
Participation, catches, prices & costs  
by different types of gear.

FAO:tl M

Carruthers, J.N. (1957) 583070  
Scot.Fish.Bull., (6):2-5  
How fishermen can measure currents for  
themselves and how measurements can  
easily be made of some features of trawl  
shape and of warp slope and direction  
Description of simple instruments  
designed by the author & of their  
operation.

SJH:glk M

Oppedal, G. (1957) 583068  
Fiskeridir.Småskr., (2):29 p.  
Vintersildfiskets lønnsomhet 1956  
(Rentability of winter herring fishery  
1956)  
Participation in fishery, catches,  
prices & costs by different types of  
gear.

FAO:tl M

Wood, H. (1957) 583071  
Scot.Fish.Bull., (6):5-7  
The Clyde Herring Fishery  
Review of facts about the Clyde Herring  
(life-history, etc.) for fishermen to  
help them interpret events & weigh up  
prospects of the fishery.

SJH:glk M

Snieszko, S.F. & G.L. 583069  
Bullock (1957)  
Fish.Bull., U.S., 57:555-64  
Treatment of sulfonamide-resistant  
furunculosis in trout and determination  
of drug sensitivity  
Experiments on the therapy of  
furunculosis were carried out with 2  
strains of fingerling brook trout  
(Salvelinus fontinalis) & a strain of  
brown trout (Salmo trutta).

FAO:sjh F

Craig, R.B. (1957) 583072  
Scot.Fish.Bull., (6):7-10  
The fishermen's sounder  
Technical notes on the construction &  
operation of units for vertical &  
horizontal searching.

SJH:glk M

Mason, J. (1957)  
Scot.Fish.Bull., (6):10-2  
Scallop fishing

583073

Distribution, habits & biology of Pecten  
species; fishing gear; catches in  
Scottish waters.

SJH:glk

M

Wood, H. (1957)  
Scot.Fish.Bull., (8):13  
Experiments in herring rearing

583076

Note on experiments in aquaria to test  
the effect of temperature on the off-  
spring of autumn spawning, & spring-  
spawning parents & on off-spring of a  
cross between these.

SJH:glk

M

Shearer, W.M. (1957)  
Scot.Fish.Bull., (6):13  
The capture of sea trout at sea

583074

Tabulation of records.

SJH:glk

MF

Wood, H. (1957)  
Scot.Fish.Bull., (8):14  
The Norway lobster or 'prawn'

583077

Quantity & value of catch, fishing  
grounds, size difference between sexes.

SJH:glk

M

Rae, B.B. (1957)  
Scot.Fish.Bull., (8):10-2  
A preliminary account of the turbot in  
Scottish waters

583075

General distribution, differential age-  
composition of stocks in sub-areas of  
this distribution, feeding, fishing.

SJH:glk

M

Anonymous (1958)  
Scot.Fish.Bull., (9):6-8  
Scottish herring fishery forecast for  
1958

583078

Contents as per title.

SJH:glk

M

Rae, B.B. (1958) 583079  
Scot.Fish.Bull., (9):9-12  
The decline in the landings of catfish  
from the North Sea

Statistics, & notes on distribution,  
spawning & biology.

SJH:glk M

Jones, R. (1958) 583082  
Scot.Fish.Bull., (9):18-9  
Fluctuations in the North Sea haddock  
stocks

Mortality & brood fluctuations.

SJH:glk M

Mills, D.H. & W.M. 583080  
Shearer (1958)  
Scot.Fish.Bull., (9):13-4  
The salmon, a one-sided story

Importance of evidence on sea life;  
migrations & mortality.

SJH:glk MF

Schemainda, R. (1957) 583083  
Dtsch.FischZtg., 4:98-105  
Über den Einfluss der meteorologisch-  
hydrographischen Bedingungen auf die  
Fischerei in den Gewässern um Grönland  
(On the influence of meteorological-  
hydrographical conditions on the  
fishery in the waters around Greenland)

Description of the meteorological-  
hydrographical conditions & their  
seasonal & long-term variations.

FAO:tl M

McIntyre, A.D. (1958) 583081  
Scot.Fish.Bull., (9):15-7  
Tagging halibut

Experiments by America, Canada, Norway,  
Denmark & Scotland.

SJH:glk M

Schäperclaus, W. (1957) 583084  
Dtsch.FischZtg., 4:113-23  
Ergebnisse der Versuche zur Bekämpfung  
der infektiösen Bauchwassersucht in  
Karpfenteichen mit Chloronitrin im  
Jahre 1956 (Results of the investig-  
ations for control of infectious dropsy  
in carp ponds with chloronitrin in the  
year 1956)

Results of the infections & baths with  
d- & l-chloronitrin & influence of the  
varying doses of the chemical.

FAO:tl F

Lieder, U. (1957) 583085  
Dtsch.FischZtg., 4:141-5  
Einiges über Fischbastarde (On the  
hybrids of fish)

Notes on natural & artificial hybrids  
& the possibilities of making hybrids  
fertile by injection of sexual  
hormones.

FAO:tl

F

Menzel, H.U. (1957) 583088  
Dtsch.FischZtg., 4:331  
Kommission für die Mechanisierung in  
der Binnenfischerei (Commission for  
mechanization of the inland fisheries)

Notes on the problems to be attacked  
by the commission.

FAO:tl

F

Bursche, E.-M. (1957) 583086  
Dtsch.FischZtg., 4:145-9  
Gibt es giftige Pflanzen im und am  
Wasser? (Are there poisonous plants  
in and by the water?)

Notes on poisonous plants growing in or  
close to the waters in central Europe.

FAO:tl

F

Rahn, J. (1957) 583089  
Dtsch.FischZtg., 4:334-8  
Nochmals: Fragen der Elektrofischerei  
(Once more: questions of electrofishing)

Discussion of the various uses of  
electrofishing in inland waters & its  
consequences.

FAO:tl

F

Lehmann, F. (1957) 583087  
Dtsch.FischZtg., 4:174-7  
Bericht über die Durchführung von  
Masseninjektionen mit Chloronitrin bei K<sub>2</sub>  
im Bezirk Dresden, Frühjahr 1957  
(Report on the accomplishment of mass  
injection with chloronitrin by K<sub>2</sub> (2  
year old carps) in the Dresden district,  
in the spring 1957)

Injections for control of infectious  
dropsy.

FAO:tl

F

Hattop, H.-W. (1957) 583090  
Dtsch.FischZtg., 4:361-7  
Entwicklung und Perspektiven der  
Elektrofischerei in unseren Binnen-  
gewässern (Development &  
perspectives of electrofishing in our  
inland waters)

Notes on the available equipment &  
its possible use in the future.

FAO:tl

F

<p>Czonsny, R. (1957) 583091  <u>Z.Fisch.</u>, 6(1-7):39-52  Terminuntersuchungen an Fliessgewässern  (Systematic investigations of flowing  waters)</p> <p>Plan for special studies of the  characteristics of water courses to  appraise their status &amp; furnish,  speedily, a basis for pollution control  measures etc., &amp; for planning further  research.</p> <p>FAO:glk F</p>	<p>Schön, A. (1957) 583094  <u>Z.Fisch.</u>, 6(1-7):85-6  Massenentwicklung von Schwämmen an  Rheinkraftwerken (Mass developmont  of sponges in Rhine power stations)</p> <p>Conditions of development of <u>Ephydatia  mülleri</u>, its ecological requirements &amp;  list of micro-organisms associated with  it. Description of damage caused to the  construction by sponges.</p> <p>FAO:tl F</p>
<p>Gemmerich, J. (1957) 583092  <u>Z.Fisch.</u>, 6(1-7):53-60  Fischaufstiegskontrollen am Moselfischpass  Koblentz (Control of the ascent of  fish through the Mosel fish pass at  Koblentz)</p> <p>Description of a fixed net in which the  ascending fish are caught, &amp; tabulation  of the records made.</p> <p>FAO:glk F</p>	<p>Antonescu, C.S. (1957) 583095  <u>Z.Fisch.</u>, 6(1-7):87-94  Die rumänische Fischerei an der unteren  Donau (The Rumanian fishery on the  lower Danube)</p> <p>Description of the fishing areas, in  relation to the periods of flooding,  their economic value for fish-  production.</p> <p>FAO:glk F</p>
<p>Schiemontz, Fr. (1957) 583093  <u>Z.Fisch.</u>, 6(1-7):61-84  Ersatz des instinktmässigen Wanderns der  Fische in Fischtreppen durch das reflek-  torische Wandern als Grundlage zum Bau  von Fischtreppen, sowie die Orientierung  und das Verhalten der Fische in Fisch-  treppen (Substitution of the  instinctive migration of fish in fish  ladders by reflective migrations as basis  for construction of fish ladders as well  as the orientation and behaviour of fish  in fish ladders)</p> <p>Contents as per title.</p> <p>FAO:tl F</p>	<p>Marre, G. (1957) 583096  <u>Z.Fisch.</u>, 6(1-7):95-101  Zur Rentabilität von Betrieben der  Ostseefischerei Schleswig-Holsteins  (On the rentability of enterprises of  the Baltic fishery of Schleswig-Holstein)</p> <p>Analysis of returns to the motor-cutter  fishery, from 1950 to 1955, operating  costs &amp; profits.</p> <p>FAO:glk MF</p>

<p>Contag, E. (1957) 583097  <u>Z.Fisch.</u>, 6(1-7):103-8  Die Fischerei im Hochrhein (The fishery in the upper Rhine)    Notes on fishing gears, fish-ladders &amp; minimum sizes of fish.</p>	<p>Schoer, D. (1957) 583100  <u>Z.Fisch.</u>, 6(1-7):127-34  Die fischparasitären Arten der Gattung <u>Dermocystidium</u> (Haplosporidia?)  (The species of the genus <u>Dermocystidium</u> (Haplosporidia?) parasitic on fish)    Discussion of the genus, description of the parasitic forms, host specificity, observations on appearance &amp; site of the cysts, damage caused.</p>
FAO:glk F	FAO:glk F
<p>Mesock, G. (1957) 583098  <u>Z.Fisch.</u>, 6(1-7):109-20  Die Stellung der Fischerei in der Ernährungswirtschaft der Welt (The place of fisheries in world food economy)    Discussion of statistics of world fish catch, its origin &amp; disposition.</p>	<p>Mann, H. (1957) 583101  <u>Z.Fisch.</u>, 6(1-7):135-40  Über die Einwirkung verschiedener Desinfektionsmittel auf Fische und Fischnährtiere (On the influence of different disinfection media on fish &amp; fish-food organisms)    Experimental determination of the limiting concentrations for the effect of these substances, &amp; measures of their lethality.</p>
FAO:glk MF	FAO:glk F
<p>Bandt, H.-J. (1957) 583099  <u>Z.Fisch.</u>, 6(1-7):121-5  Über die Giftwirkung von Horbiziden auf Fische (On the poisonous effect of horbicides on fish)    Contents as per title.</p>	<p>Schmeidler, E. (1957) 583102  <u>Z.Fisch.</u>, 6(1-7):141-4  Entwicklung des Glasaalaufstieges in der Lmc, seine zeitliche Begrenzung und die ihn einwirkende Wassertemperatur (Development of the ascent of the Lms by glass eels, its time limits, and the influence of temperature on it)    Statistical evidence of increase in catch of glass eels, from 1928 to 1956, &amp; correlation of catch with water temperature.</p>
FAO:glk F	FAO:glk F

<p>Nolto, W. (1957) 583103  <u>Z.Fisch.</u>, 6(1-7):145-58          Über die Garnelenfischerei an der Nordsee-          küste (On the shrimp fishery of          the North Sea coast)</p> <p>Examination of catch statistics, &amp; of          data on the economics of this fishery.</p> <p>FAO:glk M</p>	<p>Hass, G. (1957) 583106  <u>Z.Fisch.</u>, 6(1-7):183-9          Entwicklung und Bedeutung der Industrie-          heringsfischerei deutscher Hochseerkutter          in der Nordsee (Development and          significance of the industrial herring          fishery of the German high-sea cutters          in the North Sea)</p> <p>Examination of statistics of annual          catch, seasonal fluctuation, effort &amp;          financial returns.</p> <p>FAO:glk M</p>
<p>Benisch, J. (1957) 583104  <u>Z.Fisch.</u>, 6(1-7):159-70          Einige Beobachtungen und Erfahrungen auf          dem Gebiet der praktischen Abwasser-          biologien (Some observations and          practical experience in the field of          practical pollution-biology)</p> <p>Some observations on physical &amp; chemical          characteristics of polluted water, &amp; on          the biota of such waters, particularly          mollusca.</p> <p>FAO:glk F</p>	<p>Thumann, M.-E. (1957) 583107  <u>Z.Fisch.</u>, 6(1-7):195-208          Urcoolariden im Plankton und auf den          Fischen des Sacrower Sees (Urcoo-          larides in the plankton and on the fishes          of Lake Sacrower)</p> <p>Occurrence of Trichodinosis in the plankton          &amp; Cyclochaetes on the gills &amp; skins of          the fishes. Biometrical investigations          of these 2 genera for testing the          question whether the planktonic          urcoolarides can infect fishes.</p> <p>FAO:tl F</p>
<p>von Raben, K. (1957) 583105  <u>Z.Fisch.</u>, 6(1-7):171-82          Über Turbinen und ihre schädliche Wirkung          auf Fische (On turbines and the          damage they cause to fish)</p> <p>Description of wounds inflicted on fish,          especially eels, &amp; mathematical treatment          of the problem of likelihood of damage          to a fish, relating length of fish, speed          of water flow &amp; other characteristics of          the system.</p> <p>FAO:glk F</p>	<p>Albrocht, M.-L. &amp; E.-M. 583108          Bursche (1957)  <u>Z.Fisch.</u>, 6(1-7):209-40          Fischereibiologische Untersuchungen an          Fließgewässern. I. Physiographisch-          biologische Studien an der Polenz          (Researches in fishery biology in flowing          waters. I. Physiographic-biological          studies in the Polenz)</p> <p>Geography; physical &amp; chemical          characteristics of the water; methods          employed in sampling biota; general          account of both phyto- &amp; zoo-biota, with          systematic lists; pollution problems.</p> <p>FAO:glk F</p>

Bauch, G. (1957) 583109  
Z.Fisch., 6(1-7):241-50  
 Der Elblachs (Salmo salar L.), seine  
 Biologie und wirtschaftliche Bedeutung  
 (The Elba salmon (Salmo salar L.), its  
 biology and economic significance)

Contribution to the previous economic  
 value of the Elba salmon with specific  
 regard to its decrease, its present  
 value and description of possibilities  
 for its replacement by the eel.

FAO:glk

MF

Tesch, F.-W. (1957) 583112  
Z.Fisch., 6(1-7):273-82  
 Ein Vergleich von tierischem Schöpf- und  
 Netzplankton aus Seeabflüssen des  
 Obersproogobioten (A comparison of  
 the zooplankton by direct counting and  
 net catches from the lake drainage  
 systems of the upper Sproog area)

Quantitative & qualitative comparisons  
 for determining catching power of nets.

FAO:tl

F

Sandor, G. (1957) 583110  
Z.Fisch., 6(1-7):251-7  
 Beitrag zur Genauigkeit der Bodengreif-  
 methodik (On the precision of  
 bottom sampling methods)

Catching properties of bottom grabs on  
 various types of the bottom & the  
 percentage retention of animals on sieves  
 with different mesh size.

FAO:tl

F

Liodor, U. (1957) 583113  
Z.Fisch., 6(1-7):283-99  
 Die Ergebnisse der im Jahre 1956 durch-  
 geführten Karpfen-Karassienkreuzungen.  
 I. Beitrag zur Anwendung der 'entfernten'  
 Hybridisation in der Fischzucht  
 (Results of the hybridization between  
 carp and crucian carp undertaken in 1956.  
 I. Contribution to the application of  
 'distance hybridization' in the field  
 of fish culture)

Describes results of hybridization with  
 special regard to the economic value of  
 sea carp- & crucian carp hybrid.

FAO:glk

F

Roy, H. & L. Rübenberg (1957) 583111  
Z.Fisch., 6(1-7):259-72  
 Beitrag zur Frage der Abwässerbeeinflüsse  
 im Küstengebiet der Deutschen Demokrati-  
 schen Republik (Contribution to the  
 question of the influence of polluted  
 waters in the coastal area of the German  
 Democratic Republic)

Chemical data from polluted coastal  
 areas in the Baltic off German coast &  
 description of the influence of  
 pollution on fish.

FAO:tl

MF

Schreitor, T. (1957) 583114  
Z.Fisch., 6(1-7):301-13  
 Über eine eigenartige Schwimmblasenverla-  
 gerung bei Karpfen (On a peculiar  
 shifting of swim bladder in carps)

Description of variations of the  
 position of swim bladder & explanation  
 of possible causes of these changes.

FAO:tl

F

<p>Müller, H. (1957) 583115  <u>Z.Fisch.</u>, 6(1-7):315-22          Untersuchungen der Sauerstoffverhältnisse unter Eis (Investigations of the oxygen conditions under the ice)            Results of the investigation on the quantities of dissolved oxygen under the ice in the lakes Storkower, Küchen &amp; Chossewitz. Discussion of the influence of snow cover on the ice on the quantities of oxygen in the water.</p>	<p>Löwe, F.-K. (1957) 583118  <u>Z.Fisch.</u>, 6(1-7):343-54          Die Sonderstellung der Sassnitz-Rinne in biologischer und fischereilicher Hinsicht (The characteristics of the Sassnitz Trench - biological and fisheries considerations)            Bathymetric description of the trench, its benthos communities &amp; biomass, &amp; its productivity of fisheries resources.</p>
<p>FAO:tl F</p>	<p>FAO:tl MF</p>
<p>Müller, W. (1957) 583116  <u>Z.Fisch.</u>, 6(1-7):323-30          Aquarienuntersuchungen über die Wirkung von Kalkdüngemitteln (Investigations in aquaria on the influence of lime fertilizers)            Investigations with &amp; without natural sediment on the bottom of the aquarium for determination of the possible influence of lime on the acid binding capacity (S.B.V.) of the water.</p>	<p>Waldmann, J. (1957) 583119  <u>Z.Fisch.</u>, 6(1-7):355-60          Mongenstudien am Zooplankton des Greifswalder Boddens (Quantitative studies on the zooplankton of Greifswalder Bodden)            Frequency &amp; volumes of various groups of zooplankters in this brackish lake. Comparison of the zooplankton spectrum of the lake with that of the Baltic Sea.</p>
<p>FAO:tl F</p>	<p>FAO:tl MF</p>
<p>Bernor, M. &amp; R. Schomanda (1957) 583117  <u>Z.Fisch.</u>, 6(1-7):331-42          Über den Einfluss der hydrographischen Situation - insbesondere des Durchlüftungszustandes - auf die vertikale Verteilung und den Fang der Laichdorschswärme im Bornholmbecken (On the influence of the hydrographical conditions - especially the state of aeration - on the vertical distribution &amp; catch of shoals of spawning cod in the Bornholm Basin)            Results of the investigations on vertical distribution of spawning cod &amp; the influence of low oxygen content of bottom water on this distribution.</p>	<p>Amlacher, E. (1957) 583120  <u>Z.Fisch.</u>, 6(1-7):361-70          Die Jodtherapie von Schilddrüsengeschwülsten bei tropischen Zierfischen (Iodine therapy of thyroid tumour by tropical aquarium fishes)            Histological &amp; microchemical investigations of thyroid tumour in <u>Copina arnoldi</u> &amp; <u>Aphyosemion australe</u>. Therapy with 1:20.000 solution of iodine, potassium iodide.</p>
<p>FAO:tl MF</p>	<p>FAO:tl F</p>

Hattop, H.-W. (1957) 583121  
Z.Fisch., 6(1-7):371-83  
 Die Bedeutung des Netzstromes für die  
 Elektrofischerei (The importance of  
 net current in electrical fishing)

Review of electrical fishing equipment  
 using different sources for current &  
 the advantages of using current from  
 the net as source.

FAO:t1 F

Kajowski, G. (1957) 583124  
Z.Fisch., 6(1-7):397-403  
 Gedanken zur Systematik der fischerei-  
 lichen Fanggeräte (Consideration of  
 the systematics of fishing gear)

Re-valuation of Von Brandt's  
 classification on the basis of principles  
 of catching & technical development.

FAO:t1 MF

Menzel, H.-U. & W. 583122  
 Stoffons (1957)  
Z.Fisch., 6(1-7) 385-92  
 Über das Wachstum von Spiegel- und  
 Nacktkarpfen (On the growth of  
 mirror- and loathor carps)

Review of the scale gonos in carp &  
 comparison of the growth of 2 of them  
 in pond culture.

FAO:t1 F

Kulow, H. (1957) 583125  
Z.Fisch., 6(1-7):405-13  
 Der Entwicklungsstand des Schwimmtrawls  
 (The state of development of the surface  
 and midwater trawl)

A review of existing types of gears.

FAO:t1 M

Rahn, J. (1957) 583123  
Z.Fisch., 6(1-7):393-6  
 Beitrag zur Altersbestimmung an Aalen  
 (Contribution to age determination of  
 eels)

Comparison of scales taken from various  
 places on the body in order to determine  
 the most favorable place for collection  
 of scales for age determination.

FAO t1 MF

Morla, G. (1957) 583126  
Z.Fisch., 6(1-7):415-25  
 Testversuche an Teichwässern mittels  
 Grünalgen unter Berücksichtigung der  
 Bodenqualität (Attempts at testing  
 pond waters with green algae with  
 consideration of the quality of the  
 bottom)

Testing of the fertility of pond waters  
 in laboratory using the growth rates of  
Chlorella & Scolecococcus spp. as  
 indicators.

FAO:t1 F

<p>Schubert, A. (1957) 583127  <u>Z.Fisch.</u>, 6(1-7):427-39          Betrachtungen über Düngemittelboote, die durch die Strahlreaktion des austretenden Düngewassergemisches vorangetrieben werden (Consideration of fertilizer boats propelled by the jet reaction of the flux of the fertilizer and water mixture)</p> <p>Mathematical consideration of the speed of the boats, spraying rates &amp; distribution capacity.</p> <p>FAO:t1 F</p>	<p>Krause, C. (1957) 583130  <u>Z.Fisch.</u>, 6(1-7):505-17          Ein Betrage zum Transport lebender Fische mit Hilfe von künstlicher Sauerstoffzufuhr (A contribution to the transport of living fish by means of artificial oxygenation)</p> <p>Description of various transport tanks, manipulation of oxygen equipment, computation of need of oxygen &amp; changes taking place in transport water.</p> <p>FAO:t1 F</p>
<p>Barthelmos, D. (1957) 583128  <u>Z.Fisch.</u>, 6(1-7):441-52          Zur Abgrenzung des Planktons von den Nachbarbiocönos (On the distinction of plankton from neighbouring biocoenoses)</p> <p>Definition of the term plankton &amp; discussion of which organisms to include in it &amp; which should be considered as belonging to nekton &amp; benthos.</p> <p>FAO:t1 MF</p>	<p>Prodel, G. (1957) 583131  <u>Z.Fisch.</u>, 6(1-7):519-30          Eine Betrachtung über die gegenwärtige Weltfischerei und ihre Entwicklungsmöglichkeiten (A consideration of present world fisheries and possibilities for development)</p> <p>Review of fisheries statistics of the world &amp; discussion of the future possibilities for increase of landings.</p> <p>FAO:t1 MF</p>
<p>Breitenstein, W. (1957) 583129  <u>Z.Fisch.</u>, 6(1-7):453-68          Die Entwicklung der Ausbildung und des Berufsstandes der deutschen Binnenfischer im letzten Jahrhundert (The development of the education &amp; the professional status of German inland fishermen in the last century)</p> <p>An historical review.</p> <p>FAO:t1 F</p>	<p>Stoffens, W. &amp; Fr.-W. 583132          Tesch (1957)  <u>Dtsch.FischZtg.</u>, 4:150-3          Reisonotizen aus einer böhmischen Teichwirtschaft (Travel notes from a Bohemian fish farm)</p> <p>Notes on the size of the fish culture farm Blatná yields of carp &amp; notes on duck keeping in fish farms.</p> <p>FAO:t1 F</p>

Bauer, O. (1957) 583133

Dtsch.FischZtg., 4:167-70

Die Abwasserfrage, für die Fischeri neu beleuchtet! (The question of water pollution, re-examined with regard to fisheries!)

Review of the dangers from disposal of radioactive waste, domestic & industrial pollution on the fish & fishery.

FAO:t1

F

Murty, C. Balarama (1958) 583136

Curr.Sci., 27:249

On the temperature and salinity structures of the Bay of Bengal

Notes on monthly average surface temperatures & salinities in the Western Bay of Bengal off Visakhapatnam coast. Some discussion on the time & intensity of upwelling.

FAO:t1

M

Broitenstein, W. (1957) 583134

Dtsch.FischZtg., 4:343-9

Reusen der Binnenfischeri , (Trap nets in inland fishery)

Description of various types of trap nets & some instructions for constructing of them.

FAO:t1

F

Seshappa, G. (1958) 583137

Curr.Sci., 27:262-3

Occurrence of growth checks in the scales of the Indian mackerel, Rastrelligor canagurta (Cuvier)

Evidence on the presence of checks & discussion of their nature.

FAO:glk

M

Bumpus, D.F. (1957) 583135

Spec.sci.Rep.U.S.Fish Wildl.Serv., (242): 61 p.

Drift bottle records for Gulf of Maino and Georges Bank, 1931-56

Tabulations showing place of release & of recapture.

FAO:glk

M

Dutt, S. & M.B. Rao (1958) 583138

Curr.Sci., 27:265-6

Occurrence of Anchoviolla insularis Hardenberg off Waltair coast

Description of identifying characters & comparison with related spp. A. commersonii & A. tri.

FAO:glk

M

Lo Grand, Y. (1957) 583139  
Scientia, Bologna, 92:249-54  
L'électricité océanique (Oceanic  
electricity)

Review of causes of electrical  
phenomena in the sea; measurements of  
surface potentials & use to measure  
displacement of superficial water  
masses.

FAO:sjh

M

Anonymous (1958) 583142  
U.N.Rev., 4(8):11-3  
A Conference on the law of the sea

A short article on the aims of the  
International Conference on the law of  
the sea to be held under United Nations  
auspices in Geneva, February 1958.

FAO:sjh

M

Picotti, M. (1957) 583140  
Scientia, Bologna, 92:281-90  
Lo sviluppo dell'oceanografia ed il suo  
progresso nell'ultimo cinquantennio  
(The development of oceanography & its  
progress during the past half-century)  
  
A review of world programmes & results.

FAO:sjh

M

Frouchen, P. & D. Loth (1957?) 583143  
Julian Messner, Inc., New York, 512 p.  
Peter Frouchen's book of the seven seas

Incl. chapters on history of whaling,  
marine resources, oceanography,  
exploration, etc.

:sjh

M

Munro, L. (1958) 583141  
U.N.Rev., 4(8):6-10  
Law of the sea, air and outer space

Incl. commentary on recent developments  
in maritime law.

FAO:sjh

M

Mistakidis, M.N. (1958) 583144  
Fish.Invost., Lond., 22(1):22 p.  
Comparative fishing trials with shrimp  
nets 1954-1956

Reports experiments with nets having  
meshes larger than normally used;  
describes gear & method of use; effect  
of mesh size on the subsequent handling  
operation; conservation of stocks of &  
regulation of fishery for Pandalus  
montagu & Crangon vulgaris. Feeding  
by commercial fish on these spp.

FAO:sjh

M

de Laubenfels, M.W. & J.F. 583145  
Storr (1958)  
Bull.Mar.Sci.Gulf Caribb., 8:99-117  
The taxonomy of American commercial sponges

The taxonomy of the American commercial sponges is revised & 4 new spp. & 1 new sub-sp. are described, incl. 1 new sp. of commercial sponge, hitherto unrecognized, from the Mediterranean.

FAO:glk

M

Robins, C.R. & W.R. 583148  
Courtenay, Jr. (1958)  
Bull.Mar.Sci.Gulf Caribb., 8:146-51  
A deep sea ceratioid angler-fish of the genus Gigantactis from Florida

A detailed description is presented from measurements & examination of the intact specimen. A brief discussion of the gigantactinids is given with reference to the present record & the principal literature reviews of the group.

FAO:glk

M

Bowman, T.E. (1958) 583146  
Bull.Mar.Sci.Gulf Caribb., 8:118-24  
A new species of Acrocalanus (Copepoda: Calanoida) from off the southeastern coast of the United States

Acrocalanus andersoni is described & compared with other spp. of Acrocalanus.

FAO:glk

M

Wells, H.W. (1958) 583149  
Bull.Mar.Sci.Gulf Caribb., 8:152-66  
Predation of polycypods and gastropods by Fasciolaria huntoria (Perry)

Methods of attack are described & rates of predation were measured both in laboratory & in the field.

FAO:glk

M

Monzel, R.W. & F.E. Nichy (1958) 583147  
Bull.Mar.Sci.Gulf Caribb., 8:125-45  
Studies of the distribution and feeding habits of some oyster predators in Alligator Harbor, Florida

Observations on feeding rates & methods of attack were made on animals held in cages. Predators were counted in the field by transects, tagging & other methods. Spp. studied were: Busycon contrarium Conrad, Melongena corona Gmelin, Murex pomum Gmelin, Thais haemastoma Conrad, Pleuropleca gigantea Koiner, Monippe mercenaria Say & Callinectes sapidus Rathbun.

FAO:glk

M

McKonnoy, T.W. E.C. Alexander & G.L. Voss (1958) 583150  
Bull.Mar.Sci.Gulf Caribb., 8:167-200  
Early development and larval distribution of the carangid fish, Caranx crysos (Mitchill)

After description of early development, distribution of the sp. is discussed based upon specimens in the collections of the Marine Laboratory & the United States National Museum. Food, spawning, growth, temperatures, salinities & depth of capture are discussed.

FAO:glk

M

Pitt, T.K. (1958) 583151  
J.Fish.Res.Bd Can., 15:275-93  
 Distribution, spawning and racial studies of the capelin, Mallotus villosus (Müller), in the offshore Newfoundland area.

Temperature at which capelin spawns in various situations; size of the particles of the bottom on which it spawns; effects of low temperature on spawning period, embryonic development & time of hatching; relation between foregoing effects & vertebral counts. Evidence as to raciation. Sex ratio.

GLK:glk M

Godfrey, H. (1958) 583154  
J.Fish.Res.Bd Can., 15:331-54  
 A comparison of sockeye salmon catches at river inlets and Skoona river, B.C., with particular reference to age at maturity

Age composition, size & sex data relating to catches from 1912 to 1954 have been compared with regard to cyclical character & correlations between catches from parental & progeny stocks, & changes in average size.

GLK:glk MF

Pitt, T.K. (1958) 583152  
J.Fish.Res.Bd Can., 15:295-311  
 Age and growth of the capelin, Mallotus villosus (Müller), from Newfoundland and Grand Bank areas

Age & size at which scales are acquired; variation in growth rates between year-classes; maturation; comparison of total length of bank & shore area capelin, & of male & female.

GLK:glk M

Tompleman, W. & V.M.Hodder (1958) 583155  
J.Fish.Res.Bd Can., 15:355-90  
 Variation with fish length, sex, stage of sexual maturity, and season in the appearance and volume of the drumming muscles of the swim-bladder in the haddock, Melanogrammus aeglofinus (L.)

Examination of the relation of actual volume of the drumming muscles with length, sex, & sexual maturity of the haddock & with season, & of the possibility of determination of sex of gutted haddock by the size & colour of these muscles.

GLK:glk M

Nagasaki, F. (1958) 583153  
J.Fish.Res.Bd Can., 15:313-30  
 The fecundity of Pacific herring (Clupea pallasii) in British Columbia coastal waters

Examination of the relations between fecundity, body length & age, & analysis of differences in fecundity found between herring from various localities.

GLK:glk M

Hoar, W.S. (1958) 583156  
J.Fish.Res.Bd Can., 15:391-428  
 The evolution of migratory behaviour among juvenile salmon of the genus Oncorhynchus

5 fixed behaviour patterns: hiding under stones, occupying territory, schooling, feeding, escaping predators, are described & their performance in relation to directive factors (light, temperature, current, salinity & objects of the environment) examined. Internal motivation (endocrinological), evolutionary changes in behaviour, & mechanics of migration, are discussed.

GLK:glk MF

Tabata, S. (1958) 583157  
J.Fish.Res.Bd Can., 15:429-51  
Heat budget of the water in the vicinity  
of Triplo Island, British Columbia

Meteorological & oceanographic data  
from 1947 to 1955 have been analysed &  
magnitudes of the terms of heat budget  
equation is discussed. Importance of  
energy transfer & advective processes  
is considered.

GLK:glk

M

Skorman, T.M. (1958) 583160  
N.Z.J.Sci., 1:224-57  
Marine fouling at the port of  
Lyttelton

Experiments in 1954-55 give seasons of  
settlement & rates of growth of various  
invertebrates in this S. Island harbour;  
detailed observations on Bugula &  
Elminius populations.

FAO:sjh

M

Strickland, J.D.H. (1958) 583158  
J.Fish.Res.Bd Can., 15:453-93  
Solar radiation penetrating the ocean.  
A review of requirements, data and  
methods of measurement, with particular  
reference to photosynthetic productivity

Definitions & conversion factors.  
Requirements of wave-length, energy,  
temperature & light for photosynthesis.  
Vision & stimulation by light as factors  
in feeding intensity of zooplankton &  
other animals. The observed distribution  
of radiant energy. Methods of  
measurement.

GLK:glk

M

Barber, N.F. (1958) 583161  
N.Z.J.Sci., 1:330-41  
Some relations to be expected between  
the directional spectra of swell  
observed at different times and places  
on the ocean

Character of waves & swell can be  
summarised by directional power  
spectrum. Simple rule allows spectrum  
at any place or time to be deduced from  
spectra measured at other times &  
places. Waves around a fixed circular  
stern are discussed in light of this  
rule. Appendix discusses change in form  
of a wave-group due to dispersion &  
diffraction.

FAO:sjh

M

Schneider, P.W. (1958) 583159  
Ore.St.Game Bull., 13(6) 8  
The director's column

Stresses the complex nature of physical,  
biological & legal problems of  
anadromous fish, maintenance water  
development & need for retaining  
essential habitat requirements.

WAD:tjj

F

Gates, D.J. (1958) 583162  
Fish.Mgmt Lett.Aust., 17(7).9-11  
Sperm whaling at Albany

Notes on production, average length &  
sexual maturity of the whales caught,  
breeding, migrations & embryos taken.

GLK:glk

M

Wells, V. (1958) 583163  
Fish. News Lott. Aust., 17(7):23-5  
Surveying Aust. pearling beds

Continuation of narrative account of operations.

GLK:glk

M

Tai-Hsuan, C. & H. 583166  
Ming-Chian (1958)  
Acta zool. sinica, 10:173-97  
(A study on hydromedusae of Chofoo).  
Ni En

List of 13 spp. of Anthomedusae, 15 of Loptomedusae, 4 of Limnomedusae & 1 of Siphonophorae, with description of a new variety Amphinoma rugosum var. shantungensis & a new sp. Phialucium taeniogonia.

FAO:glk

M

Chia-Jui, S. (1958) 583164  
Acta zool. sinica, 10:131-44  
Parasitic copepods from fishes of China. III. Caligoida caligidae (2).  
En Ni

New spp. of Caligus & Lepoetheirus are described and new records of other parasitic copepods are announced & the status of the genus Parapctalus is discussed.

FAO:glk

M

Carlson, L. (1958) 583167  
Fiskeridir. Skr. Fiskeri, 4(1):35 p.  
Håkjertringa og hækjertringfisket  
(Greenland shark and Greenland shark fishery)

Scientific & common names, biology, reproduction, fishing grounds in the past & at present, fishing gear & catching methods, industrial exploitation & relation between nutritional condition of the shark & vitamin A content of the fish oil.

FAO:tl

M

Kang-Nan, W. (1958) 583165  
Acta zool. sinica, 10:163-9  
(Preliminary studies of Lamproglana parasitic on the gills of fresh-water fishes taken from the area between Nanking and Shanghai). Ni En

3 spp. of Lamproglana are reported with 2 nauplius larvae belonging to Lamproglana chinensis & L. carassii.

FAO:glk

F

Wolf, K. & C.E. Dunbar (1958) 583168  
Progr. Fish-Cult., 20(1):3-7  
An explanation of the principles and methods of tissue culture

A general explanation together with a discussion of the application to fish disease research.

GLK:wad

MF

Clomons, H.P. & K.E. Sneed (1958) 583169  
Progr.Fish-Cult., 20(1):8-15  
The chemical control of some diseases  
and parasites of Channel catfish

Reports limits of tolerance of fingerling  
Ictalurus punctatus to certain  
chemicals used to control disease &  
parasites & the recommended dosages.

GLK:wad

F

Anonymous (1958) 583172  
Progr.Fish-Cult., 20(1):20  
Sodium fluoreccin and the toxicity of  
pronoxfish

Describes an aquarium test using  
Rhinichthys to determine the effect of  
sodium-fluoreccin on the fish & on the  
toxicity of the pronoxfish (fish  
toxicant).

GLK:wad

F

Anonymous (1958) 583170  
Progr.Fish-Cult., 20(1):15  
Cheap transportation for small  
quantities of fingerlings

Describes the construction of a modern  
live car equipped with oxygen & a space  
for ice used to transport Pimophales  
promelas & Hyberhynchus notatus.

GLK:wad

F

Shelton, J.M. (1958) 583173  
Progr.Fish-Cult., 20(1):21-6  
Stock those lakos by air

Detailed description of the equipment  
& methods used in stocking large  
quantities of fish (Oncorhynchus nerka)  
at one time from an aircraft in 2 lakos  
in Washington.

GLK:wad

MF

Tompkins, W.A. (1958) 583171  
Progr.Fish-Cult., 20(1):16-20  
The use of copper sulfato to increase  
fyke-net catches

Describes its use as a non-toxic  
irritant in accelerating fish movements  
& thereby having utility for increasing  
the efficiency of netting & trapping  
operations.

GLK:wad

F

Anonymous (1958) 583174  
Progr.Fish-Cult., 20(1):26  
Drugs tested for control of Kidney  
disease

A table showing the effectiveness of  
various drugs on Salvelinus fontinalis  
infected with Kidney disease.

GLK:wad

MF

Threinen, C.W. (1958) 583175  
Progr.Fish-Cult., 20(1):27-32  
Cause of mortality of a midsummer plant  
of rainbow trout in a southern Wisconsin  
lake, with notes on acclimation and  
lethal temperatures

Describes field investigation of a  
mortality believed to be caused by heat  
& gives management recommendations.

GLK:wad

MF

Loudor, D. (1958) 583178  
Progr.Fish-Cult., 20(1):38-41  
Escape of fish over spillways

Describes a study to determine whether  
such escape constitutes a significant  
loss; fish escaping from 2 impoundments  
in Illinois were trapped.

GLK:wad

F

Anonymous (1958) 583176  
Progr.Fish-Cult., 20(1):32  
Small-mesh gill nets used in Wyoming  
studios

Gives the results of trials using  
nylon nets of varying size mesh to take  
brook trout of small size.

GLK:wad

F

Muench, B. (1958) 583179  
Progr.Fish-Cult., 20(1):42-4  
Quinaldine, a new anesthetic for fish

Describes the effects of 2-methyl-  
quinoline on Lepomis, Pomoxis,  
Ameiurus, Notemigonus & Carassius, as  
determined in a study to find a  
satisfactory drug for anesthetization  
of fish in their natural habitat.

GLK:wad

MF

Craddock, D.R. (1958) 583177  
Progr.Fish-Cult., 20(1):33-7  
Construction of a two-way weir for the  
enumeration of salmon migrants

Detailed description of a weir operated  
to count adult & fingerling Oncorhynchus  
salmon in Idaho.

GLK:wad

MF

Anonymous (1958) 583180  
Progr.Fish-Cult., 20(1):44  
Apparatus for discharging liquid fish  
toxicant under water

Brief description (with a photo &  
sketch) of a unit to be mounted in a  
boat.

GLK:wad

F

Turner, W.R. (1958) 583181  
Progr.Fish-Cult., 20(1):45-6  
 The effects of acid mine pollution on  
 the fish population of Goose Creek,  
 Clay County, Kentucky

An economic appraisal of the loss of  
 game, pan & rough fish destroyed in  
 16.3 miles of stream as determined by  
 creel & commercial value of the spp.  
 killed.

GLK:wad

F

Woisol, G.F. (1958) 583184  
Copeia, (2):86-91  
 The comparative effects of fresh-water  
 and marine teleost pituitary on the  
 water balance of frogs

Pituitary extracts from marine teleosts  
 are more potent & longer lasting in  
 causing water retention in frogs than are  
 equal amounts of extracts from freshwater  
 fish. The difference in potency may be  
 related to the necessity marine teleosts  
 have in retaining water against a  
 hypertonic environment.

FAO:hr

MF

Mullan, J.W. (1958) 583182  
Progr.Fish-Cult., 20(1):47-8  
 A record of some apparently natural and  
 drastic changes in the fish population  
 complex of a large Massachusetts pond

Comparison of the composition of the  
 1955 population (as determined through  
 'reclamation' or chemical treatment)  
 with records of the composition of  
 earlier populations, especially that of  
 1939.

GLK:wad

F

Hubbs, C. (1958) 583185  
Copeia, (2):102-5  
 Geographic variations in egg complement  
 of Perca capreolus and Etheostoma  
spectabile

Data on the 2 spp. are presented &  
 significance of egg number discussed.

FAO:hr

F

Anonymous (1958) 583183  
Progr.Fish-Cult., 20(1):48  
 Observations made from an underwater  
 plastic cage

Describes the use by the U.S. Fish &  
 Wildlife Service of a cage, lowered from  
 a moving ship, to permit a diver to  
 observe fishing operations, especially  
 the behaviour of bait fish (anchovy &  
 tilapia) & tuna in Hawaiian waters.

GLK:wad

MF

Aron, W. (1958) 583186  
Copeia, (2):105-11  
 Cytological and histological studies on  
 the hybrid of Platichthys stellatus &  
Parophrys vetulus, with notes on its  
 backcross to P. vetulus

The gonads & the gonadal products of the  
 hybrid Inopsetta ischyru are compared  
 to the gonads & gonadal products of  
Parophrys & Platichthys, the supposed  
 parents. The wide variability & extensive  
 abnormalities encountered in Inopsetta  
 point strongly to its hybrid nature.

FAO:hr

M

Doubler, E.E., Jr. (1958) 583187

Copeia, (2):112-6

A comparative study of the postlarvae of three flounders (Paralichthys) in North Carolina

The late postlarvae of P. dentatus can best be distinguished from those of lethostigma & albigutta by using differences in pigmentary pattern. In addition dentatus differs from the other 2 spp. in vertebral count. P. dentatus can also be separated from albigutta by anal ray & dorsal ray counts.

FAO:hr

M

Arnold, M.L., Jr. &

583190

J.R. Thompson (1958)

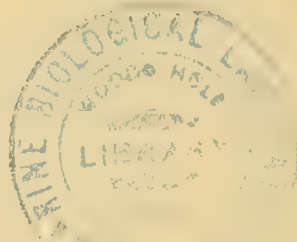
Copeia, (2):130-2

Offshore spawning of the striped mullet Mugil cephalus, in the Gulf of Mexico

Contents as per title.

FAO:hr

MF



Berry, F.H. (1958) 583188

Copeia, (2):116-25

A new species of fish from the western North Atlantic, Dikellorhynchus tropidolepis, and relationships of the genera Dikellorhynchus and Malacanthus

Describes the new sp.; gives keys to the genera of Malacanthidae (incl Latilidae) of the western North Atlantic, & to the sp. of Dikellorhynchus & Malacanthus; compare the spp. of these genera.

FAO:hr

M

Doubler, E.E., Jr. (1958)

583191

Copeia, (2):132-3

Records of the flounder, Chascancopsotta lugubris Alcock, from the Western Atlantic

Contents as per title.

FAO:hr

M

Harrington, R.W., Jr. & 583189

L.R. Rivas (1958)

Copeia, (2):125-30

The discovery in Florida of the cyprinodont fish, Rivulus marmoratus, with a redescription and ecological notes

An extensive illustrated description incl. ecological notes & a list of other spp. collected with Rivulus marmoratus.

FAO:hr

MF

Cohon, D.M. (1958)

583192

Copeia, (2):133-4

A nomenclatural discussion of the Argentinid fish Microstoma microstoma (Risso) with new records from the Eastern Pacific, and comments on the possible identity of the genus Halaphya Günther

Contents as per title.

FAO:hr

M

Lindsey, C.C. (1958) 583193  
Copeia, (2):134-6  
 Modification of meristic characters by  
 light duration in kokanee, Oncorhynchus  
nerka

Contents as per title.

FAO:hr

F

Shoomaker, H.H. (1958) 583196  
Copeia, (2):143-5  
 A female coratioid angler, Cryptopsaras  
couesi Gill, from the Gulf of Mexico,  
 bearing three parasitic males

Contents as per title.

FAO:hr

M

Nursall, J.R. (1958) 583194  
Copeia, (2):136-41  
 A method of analysis of the swimming of  
 fish

Graphical analysis of swimming of  
 splake trout (F<sub>1</sub> Salvelinus namaycush  
 x S. fontinalis) from cinematographic  
 records.

FAO:hr

F

Rondahl, H. (1958) 583197  
Copeia, (2):145-6  
 The original description of the Chinese  
 paradisofish, Macropodus opercularis  
 (Linnaeus)

Contents as per title.

FAO hr

M

Schwartz, F.J. (1958) 583195  
Copeia, (2):141-3  
 The breeding behaviour of the southern  
 blacknose dace, Rhinichthys atratulus  
obtusum Agassiz

Contents as per title.

FAO:hr

F

Rubinoff, I. (1958) 583198  
Copeia, (2):146-7  
 Raising the atherinid fish, Monidia  
monidia, in the laboratory

Contents as per title.

FAO:hr

M

Schultz, L.P. (1958) 583199  
Copeia, (2):147  
Correction for 'The Frogfishes of the  
family Antennariidae', by Leonard P.  
Schultz, No. 3383, Proc. U.S.nat.Mus.,  
1957

Contents as per title.

FAO:hr M

Fitch, K.L. (1958) 583202  
Copeia, (2):151-2  
Induced ovulation in Nocturus.  
Contents as per title.

FAO:hr F

Underhill, J.C. (1958) 583200  
Copeia, (2):149-51  
Notes on the toads of eastern South  
Dakota

Contents as per title.

FAO:hr F

Karlstrom, E.L. (1958) 583203  
Copeia, (2):152-3  
Sympatry of the Yosemite & western  
toads in California

Contents as per title.

FAO:hr F

Test, F.H. (1958) 583201  
Copeia, (2):151  
Butler's garter snake eats amphibian.

Contents as per title.

FAO:hr F

Weatherley, A.H. (1958) 583204  
Tech.Pap.Div.Fish.CSIRO, (4):24 p.  
Tasmanian farm dams in relation to fish  
culture

Account of physical, chemical &  
biological study of 9 representative  
ponds. Experimental stocking with  
Tinca tinca.

HR:sjh

Karlovac, J. (1958) 583205  
Rep.Inst.Oceanogr.Rib.Split, 4(4D):1-24  
 Investigations on the larvae and post-larvae of the sardine (Sardina pilchardus Walb.) in the open waters of the Adriatic sea. Cs

Occurrence, distribution & size composition in plankton samples of HVAR (1948-49) & data on hydrographic conditions under which the young sardines live. Spawning time, place, density of young, temperatures, salinity, depth, diurnal & seasonal variations.

FAO:sjh M

Duarte-Bello, P.P. (1958) 583208  
Univ. de Villanueva, Marianac, Cuba, 30p  
 Experiencias con el empleo de equipo oceanografico en el golfo de Batabano (Experiments with oceanographic equipment in the Gulf of Batabano)

A preliminary report on the work carried out during oceanographic studies in the Gulf of Batabano, Cuba. A description of the more important features of the equipment which was used during the work with special mention of their adaptation to shallow waters is also given.

FiB:hr M

California. Staff of the Marine 583206  
 Resources Operations (1958)  
Fish.Bull., Sacramento, (105):104 p.  
 The marine fish catch of California for the years 1955 and 1956 with rockfish review

the 17th in the series of fish bulletins dealing with fish catch. Incl. records of the pounds of fish landed in the different areas of the state & their value to the fishermen. Small pound-ages of fresh water commercial landings are also included.

GLK:hr MF

Anonymous (1958) 583209  
France pêche, 3(19):17, 48  
 L'aileron flotteur EXOCET (Paddled floats EXOCET)

Contents as per title.

FAO:sjh M

Ellis, R.W., A. Rosen & 583207  
 A.W. Moffett (1958)  
Tech.Ser.Fla Bd Conserv., (24):50 p.  
 A survey of the number of anglers and of their fishing effort and expenditures in the coastal recreational fishery of Florida

Detailed study of available information on salt & brackish water fishing by type of operation; sections & appendices describe methods used to collect & analyse data with comment on choice of sampling procedures.

FAO:sjh MF

White, G.F. (1958) 583210  
WMO Bull., 7:108-12  
 Emerging needs in development of the world's rivers

A plea for international scientific cooperation in integrated river development, on the basis of economic growth of the countries & the international nature of over 125 rivers.

FAO:tjj F

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Rome, October 1958

containing: supplement 1(8), taxonomic index 1(7), geographic  
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[2.1(2)]



## Explanatory notes

1. A minor change in arrangement this month is the insertion of year of publication after each name in the author index. This, like the previous modifications in the arrangements of the taxonomic and geographic index, will help us in preparing punch cards and cumulative yearly indexes.
2. The limitations of a bibliography in drawing the attention of research workers and others to publications which may be relevant to their needs have often been pointed out to us. Even when titles are known, there remain the problems of procuring and reading the documents. Our annotations are intended to help each reader decide whether a document may be worth obtaining for his purposes. Many will have access to good libraries, microfilm exchange and so on, but others do not, and for those an important source is an author's reprint. To facilitate reprint exchange and correspondence, some abstracting journals give the address of the author with each reference. For several reasons we do not find it practicable to do this, but we do maintain a register of scientists engaged in work relating to fisheries, marine sciences and limnology. The information in this register is obtained from many sources, such as lists prepared by learned societies and regional organizations, and also from the publications we annotate. Authors whose names are newly added to our list are being sent copies of the Register of Experts in Fisheries INFORMATION FORM, a sample of which is enclosed. Information on returned forms is entered on edgenotched cards, which can be needle sorted, and thus help in our communication with groups of scientists selected according to certain attributes and in putting them in touch with each other for particular purposes.

Next, the problem of reading publications. There is a general realisation now of the need for translations, and these facilities are improving in many countries. We cannot at present undertake to add to such services, except in certain special cases, but we are always willing to help within our very limited means. For this purpose we write on our master index cards cross-references to abstracts and translations the existence of which we are aware and can always supply this information on request. We shall also from time to time distribute summary translations of what appear to be particularly important publications.



FISHERIES DIVISION  
Biology BranchREGISTER OF EXPERTS IN FISHERIES  
INFORMATION FORM

This form is designed to obtain data for a world-wide **Register of Experts in Fisheries Science**, kept by FAO.

The material - when coded - will allow us to locate experts in various fields of fisheries, and/or allied activities, by their attributes or qualifications as well as by name.

The Register enables us to act as a clearing-house, providing our Member Governments, and fishery workers desiring to become acquainted with others in their fields of activity, with information on skilled experts. It also assists us in the recruitment of experts to be employed by FAO on a temporary or permanent basis.

**A. PERSONAL DATA** (Please type or print in ink)

1. Name	Surname (or Family Name)	First Name	Middle Name	Maiden Name
2. Title				
3. Name of Organization, Institution or Employer				
4. Home Address *	<input type="checkbox"/>			
Telephone No.				
5. Business Address *	<input type="checkbox"/>			
Telephone No.				
6. Date of Birth	Day      Month      Year		7. Sex: Male <input type="checkbox"/>	Female <input type="checkbox"/> Nationality:

\* Check preferred mailing address

**B. LANGUAGES**

LANGUAGES (underline mother tongue)	READ				WRITE				SPEAK			
	Ex- cellent	Good	Fair	Slight	Ex- cellent	Good	Fair	Slight	Ex- cellent	Good	Fair	Slight

**INSTRUCTIONS FOR C, D, E, F.**

Please check all of the specific items in the boxes that best describe your particular experience or competence. Additional information may be added on the dotted lines.

**C. EDUCATION**

MAJOR SUBJECT	HIGHEST ACADEMIC DEGREE	YEAR
1. Biology ..... <input type="checkbox"/>		
2. Chemistry ..... <input type="checkbox"/>		
3. Physics ..... <input type="checkbox"/>		
Mechanical Sciences		
4. Economics ..... <input type="checkbox"/>		
Commerce		
5. Others (specify) ..... <input type="checkbox"/>		

# D. TYPE OF FISH OR FISHERIES WITH WHICH YOU ARE MOST FAMILIAR

1. Diadromous fishes; salmonids; other migratory fresh-water fishes .....	<input type="checkbox"/>
2. Fresh-water fishes other than those covered by 1 .....	<input type="checkbox"/>
3. Gadoids; flatfish; other marine demersal species .....	<input type="checkbox"/>
4. Clupeoids .....	<input type="checkbox"/>
5. Tunas; mackerels .....	<input type="checkbox"/>
6. Other marine fishes .....	<input type="checkbox"/>
7. Molluscs; crustaceans ( <i>underline if one only</i> ) .....	<input type="checkbox"/>
8. Other resources ( <i>specify</i> ) _____, _____	<input type="checkbox"/>
9. Warm-water stocks (tropic zone) .....	<input type="checkbox"/>
10. Cold-water stocks (temperate and cold zones) .....	<input type="checkbox"/>

# E. SCIENCES WITH WHICH YOU ARE FAMILIAR OR WHICH ARE USED IN YOUR WORK

1. Chemistry .....	<input type="checkbox"/>	2. Physics .....	<input type="checkbox"/>
Analytical .....	<input type="checkbox"/>	Biophysics .....	<input type="checkbox"/>
Agricultural and Food .....	<input type="checkbox"/>	Electricity and magnetism .....	<input type="checkbox"/>
Biochemistry .....	<input type="checkbox"/>	Optics .....	<input type="checkbox"/>
Inorganic .....	<input type="checkbox"/>	Acoustics .....	<input type="checkbox"/>
Organic .....	<input type="checkbox"/>	Mechanics and heat .....	<input type="checkbox"/>
Physical .....	<input type="checkbox"/>	Atomic and molecular physics .....	<input type="checkbox"/>
Pharmaceutical .....	<input type="checkbox"/>	Nuclear physics .....	<input type="checkbox"/>
Water, sewage, sanitation .....	<input type="checkbox"/>	Theoretical physics .....	<input type="checkbox"/>
_____	<input type="checkbox"/>	_____	<input type="checkbox"/>
_____	<input type="checkbox"/>	_____	<input type="checkbox"/>
3. Engineering .....	<input type="checkbox"/>	4. Mathematics .....	<input type="checkbox"/>
Electrical .....	<input type="checkbox"/>	Probability and statistics .....	<input type="checkbox"/>
Electronics .....	<input type="checkbox"/>	Computation .....	<input type="checkbox"/>
Marine .....	<input type="checkbox"/>	Econometrics .....	<input type="checkbox"/>
Civil .....	<input type="checkbox"/>	Operations research .....	<input type="checkbox"/>
Agricultural .....	<input type="checkbox"/>	Biometrics and biostatistics .....	<input type="checkbox"/>
Sanitary .....	<input type="checkbox"/>	Biodemography .....	<input type="checkbox"/>
Chemical .....	<input type="checkbox"/>	_____	<input type="checkbox"/>
Surveying and mapping .....	<input type="checkbox"/>	_____	<input type="checkbox"/>
_____	<input type="checkbox"/>	_____	<input type="checkbox"/>
5. Earth Sciences .....	<input type="checkbox"/>	6. Life Sciences .....	<input type="checkbox"/>
Geochemistry .....	<input type="checkbox"/>	Anatomy .....	<input type="checkbox"/>
Geophysics .....	<input type="checkbox"/>	Biogeography .....	<input type="checkbox"/>
Geology .....	<input type="checkbox"/>	Bionomics (life history study) .....	<input type="checkbox"/>
Hydrology .....	<input type="checkbox"/>	Botany .....	<input type="checkbox"/>
Limnology ( <i>see also 6</i> ) .....	<input type="checkbox"/>	Ecology .....	<input type="checkbox"/>
Dynamic .....	<input type="checkbox"/>	Embryology .....	<input type="checkbox"/>
Physical .....	<input type="checkbox"/>	Genetics .....	<input type="checkbox"/>
Chemical .....	<input type="checkbox"/>	Histology .....	<input type="checkbox"/>
Oceanography ( <i>see also 6</i> ) .....	<input type="checkbox"/>	Limnology, biological ( <i>see also 5</i> ) .....	<input type="checkbox"/>
Dynamic .....	<input type="checkbox"/>	Microbiology .....	<input type="checkbox"/>
Physical .....	<input type="checkbox"/>	Oceanography, biological ( <i>see also 5</i> ) .....	<input type="checkbox"/>
Chemical .....	<input type="checkbox"/>	Pathology .....	<input type="checkbox"/>
Meteorology .....	<input type="checkbox"/>	Population dynamics .....	<input type="checkbox"/>
_____	<input type="checkbox"/>	Physiology .....	<input type="checkbox"/>
7. Other .....	<input type="checkbox"/>	Psychology; behaviour .....	<input type="checkbox"/>
_____	<input type="checkbox"/>	Systematics .....	<input type="checkbox"/>
_____	<input type="checkbox"/>	_____	<input type="checkbox"/>
_____	<input type="checkbox"/>	_____	<input type="checkbox"/>

F. TYPES OF WORK FOR WHICH YOU CONSIDER YOURSELF BEST SUITED (FIELDS OF EXPERIENCE)

- |  |                          |  |                          |
|--|--------------------------|--|--------------------------|
| 1. Inland (fresh) waters .....               | <input type="checkbox"/> | 13. Fish management .....                      | <input type="checkbox"/> |
| 2. Marine waters .....                       | <input type="checkbox"/> | 14. Fish screens and/or fish ways *            | <input type="checkbox"/> |
| 3. Brackish waters .....                     | <input type="checkbox"/> | 15. Limnology ** .....                         | <input type="checkbox"/> |
| 4. Administration .....                      | <input type="checkbox"/> | 16. Oceanography ** .....                      | <input type="checkbox"/> |
| 5. Aquiculture (fish culture) .....          | <input type="checkbox"/> | 17. Pollution research and/or control *        | <input type="checkbox"/> |
| 6. Development .....                         | <input type="checkbox"/> | 18. Pond or hatchery construction .....        | <input type="checkbox"/> |
| 7. Experimental and/or exploratory fishing * | <input type="checkbox"/> | 19. Stock assessment .....                     | <input type="checkbox"/> |
| 8. Farm pond research and/or development *   | <input type="checkbox"/> | 20. Stream or lake (habitat) improvement ..... | <input type="checkbox"/> |
| 9. Fish disease and/or nutrition research *  | <input type="checkbox"/> | 21. ....                                       | <input type="checkbox"/> |
| 10. Fisheries biology, generally .....       | <input type="checkbox"/> | 22. ....                                       | <input type="checkbox"/> |
| 11. Fisheries statistics .....               | <input type="checkbox"/> | 23. ....                                       | <input type="checkbox"/> |
| 12. Fisheries survey .....                   | <input type="checkbox"/> | 24. ....                                       | <input type="checkbox"/> |

**\*\* Specify type**

### G. CURRENT OR PROSPECTIVE ACTIVITIES

We should also be interested in a list of the various specific projects in which you are engaged or expect to be engaged. (These may be of interest to other workers in the same fields, who may be able to send you information).

## H. REMARKS

If you are interested in obtaining employment with FAO (permanent, temporary, field expert under the Technical Assistance Program, consultant) it is necessary to submit a full "Personal History" form (FAO Adm. 11

"Personal History" form (FAO Adm. 11

If you wish to receive copies of this form,  
check here ..... ☐

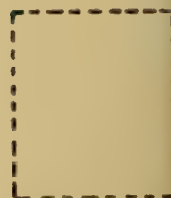
If you have already sent us one,  
check here ..... ☐

Date .....

Signature .....

SENDER \_\_\_\_\_

\_\_\_\_\_



Dr. G.L. Kesteven  
Chief, Biology Branch  
Fisheries Division, FAO  
Viale delle Terme di Caracalla  
Rome, Italy

## Errata

Please correct Errata 1(7) as follows:

582767	<u>Ictulurus</u>	should read	<u>Ictalurus</u>
582781	whalo	" "	whole
582792	cyprinidae	" "	Cyprinidae
582803	Ostrea edulis	" "	<u>Ostrea edulis</u>
582887	salmonidae	" "	Salmonidae
582920	<u>Mumatopias jubatus</u>	" "	<u>Mumatopias jubatus</u>
582923	<u>Rastrellinger</u>	" "	<u>Rastrelliger</u>
582992	cyclopidae	" "	Cyclopidae
583126	<u>Chlosella</u>	" "	<u>Chlorella</u>
583192	Halaphya	" "	<u>Halaphya</u>



Addenda

Shelbourne, J.E. (1957) 580886  
Nature, Lond., 180:920-2  
Site of chloride regulation in marine  
fish larvae

Describes histochemical experiments  
with living yolk sac larvae of plaice,  
cod & dab to determine the site.

GLK:wad

M

Dunbar, J. (1958) 580264  
Collins St. James's Place, London, 192 p.  
The lost land -- Underwater exploration in  
the Isles of Scilly

An account of archaeological explorations  
in the course of which observations on  
marine life are recorded.

FAO:glk

M



6th Fishery Conference of the North, Helsingør, Denmark, 11-14 August 1958

Participants

According to the Program about 110 persons were to participate from Denmark, (43), Faeroes (6), Finland (6), Iceland (4), Norway (18), and Sweden (33).

The greater part of the participants represented various professional organizations within the fish industry (incl. fishing, fish processing and fish trade). Government participants included research people.

Papers

Five papers were read and discussed:

1. The Role of the State in Financing the Fish Industry, by J. Hult, Sweden.
2. The Purposes of Northern Cooperation in the Field of Fisheries, by Chr. Christiansen, Minister of Fisheries, Denmark.
3. A Short Note on Radiation Chemistry and Sterilization by Electron-radiation, by Erik Heen, Norway.
4. The Fisheries and the Conference in Geneva, by David Olafsson, Iceland.
5. Industrial Pollution and Stoppage of Fresh Waters, by T. Kaartotie, Fisheries Consultant, Finland.



1,00	FISHES, GEN.	582665	582666	1,21	(Continued)			
		582667	582668					
		582670	582671					
		582673	582676		Clupea	582673	582710	582715
		582679	582680			582794	582813	582901
		582683	582690			582928	582967	583010
		582694	582733			583068	583071	583076
		582737	582742			583078	583106	583153
		582744	582745					583205
		582747	582748		CLUPEIDAE		582723	582766
		582750	582751					583183
		582792	582797		Clupeonella		582716	582785
		582827	582838		Dorosoma			582829
		582840	582841		Engraulis		582704	582722
		582848	582850		Gadusia			583056
		582860	582888		Hilsa	582754	582755	582756
		582919	582923				582757	582758
		582940	582950	1,23	Coregonus		582865	583058
		582966	582967		Halaphya			583192
		582970	582982		Lovettia			583013
		583064	583070		Mallotus		583151	583152
		583085	583088		Microstoma			583192
		583090	583092		Oncorhynchus		582707	582718
		583108	583111			582728	582730	582793
		583118	583119			582852	582869	582897
		583124	583125			582934	582935	582936
		583129	583130			582937	582938	582939
		583158	583168			583007	583154	583156
			583180			583173	583177	583193
1,02	Lampetra		582729		Salmo	582647	582685	582709
	Petromyzon		582767			582711	582762	582767
	PETROMYZONIDAE	582656	582980			582832	582854	582868
						582875	582876	583013
						583019	583069	583074
1,03	Myxine		582811			583080	583109	583175
	Nemamyxine		582943		SALMONIDAE		582887	582894
1,08	Negaprion		582910		Salvelinus		582767	583069
						583174	583176	583194
1,09	Acanthias	582811	583062	1,24	Esox		582811	582855
	Acanthorhinus		583167					
	SQUALIFORMES		582910	1,36	Gymnarchus		582685	582763
1,10	Dasyatis		582800	1,38	Anoptichthys			582909
	RAJIFORMES		582910		Copeina			583120
1,14	Protopterus		582740		Serrasalmus			582774
1,17	Acipenser	582719	582727	1,40	Abramis	582705	582720	582731
	ACIPENSERIDAE	582702	582723			582787	582805	582806
			582786		Carassius		582685	582874
						582906	583025	583058
						583065	583113	583179
1,21	Anchoviella		583138		Catla			582753
	Brevoortia		582766		Catostomus			582767
	Caspialosa		582716		Cirrhinus			582753

1,40 (continued)

<i>Couesius</i>		582767
<i>Ctenopharyngodon</i>		582893
CYPRINIDAE		582792
<i>Cyprinus</i>	580885	582705
	582732	582782
	582889	582900
	583065	583084
	583113	583114
<i>Hyborhynchus</i>		583170
<i>Hypophthalmichthys</i>		582893
<i>Labeo</i>		582753
<i>Notemigonus</i>		583179
<i>Orcella</i>		582987
<i>Phoxinus</i>	582976	583065
<i>Pimephales</i>	583025	583170
<i>Rhinichthys</i>	582685	583172
		583195
<i>Semotilus</i>		582767
<i>Tinca</i>		583204
<i>Vimba</i>		582858

1,41	<i>Ameiurus</i>		583179
	<i>Ictalurus</i>	582767	583169
	<i>Saurida</i>		582923

1,43	<i>Anguilla</i>	582685	582691
		582805	582806
		583102	583125
	<i>Muraenichthys</i>		582784

1,47	<i>Reporhamphus</i>		583014
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1,48	<i>Gadus</i>	582673	582781
		582837	582857
			582967
	<i>Melanogrammus</i>	581911	581923
		582020	582175
		582572	582573
		582928	583082

1,50	<i>Gasterosteus</i>	582236	583065
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1,51	<i>Hippocampus</i>		582685
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1,57	<i>Aphyosemion</i>		583120
	<i>Lebistes</i>	582906	582909
	<i>Mollinesia</i>		582909
	<i>Rivulus</i>		583189
	<i>Xiphophorus</i>		582663

1,61	<i>Holocentrus</i>		582784
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1,65	<i>Menidia</i>		583198
	<i>Mugil</i>	582766	582997

1,70	<i>Acanthistius</i>		582784
	<i>Ambassis</i>		582997
	<i>Ambloplites</i>		582767
	<i>Caranx</i>	582885	583150
	<i>Coryphaena</i>		582835
	<i>Decapterus</i>		582923
	<i>Dikellorhynchus</i>		583188
	<i>Epinephelus</i>		582784
	<i>Etheostoma</i>		583185
	<i>Eupomacentrus</i>		582685
	<i>Labrus</i>		582811
	<i>Leiognathus</i>		582923
	<i>Lepomis</i>	582767	583025
	<i>Lucioperca</i>	582705	582720
			583063
	<i>Malacanthus</i>		583188
	<i>Nemipterus</i>		582923
	<i>Perca</i>	582767	582805
	<i>Percina</i>	582767	583185
	<i>Pluchus</i>		582784
	<i>Pomoxis</i>		583179
	<i>Sillago</i>		582752
	<i>Tilapia</i>	583003	583183

1,71	<i>Anarchichas</i>		583079
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1,75	<i>Acanthocybium</i>		582885
	<i>Centrelliger</i>	582923	583137
	<i>Scomber</i>		582685

1,76	<i>Betta</i>		582988
	<i>Macropodus</i>		583197

1,77	<i>Cryptocentrus</i>		582784
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1,78	<i>Scorpaena</i>		582856
	<i>Sebastes</i>	582928	582967
	<i>Sebastodes</i>		583206

1,80	<i>Auxis</i>		582885
	<i>Euthynnus</i>		582835
	<i>Katsuwonus</i>		582835
	<i>Neothunnus</i>		582885
	THUNNIFORMES	582826	582882
		582923	583183
	<i>Thunnus</i>		583010

1,81	PLEURONECTIFORMES		582928
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1,82	<i>Psettodes</i>		580878
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1,83	<i>Chascanopsetta</i>		583191
	<i>Hippoglossoides</i>		582995

## 1,83 (continued)

<i>Hippoglossus</i>	582995	583081
<i>Inopsetta</i>		583186
<i>Limanda</i>		582995
<i>Lyopsetta</i>		582995
<i>Paralichthys</i>		583187
<i>Parophrys</i>		583186
<i>Platichthys</i>		583186
<i>Pleuronectes</i>		582701
<i>Pseudopleuronectes</i>		582995
<i>Scophthalmus</i>	582995	583075

1,90	<i>Ostracion</i>	582685
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1,95	ANTENNARIIDAE	582770	583199
	<i>Lophius</i>		582811

1,96	<i>Cryptepsaras</i>	583196
	<i>Gigantactis</i>	583148

1,99	FISHES, MISC.	582656	582661
		582674	582677
		582697	582698
		582706	582708
		582714	582717
		582725	582726
		582759	582760
		582790	582791
		582824	582830
		582833	582834
		582836	582842
		582890	582892
		582899	582905
		582946	582947
		582949	582955
		582968	583002
		583004	583006
		583055	583057
		583067	583083
		583096	583097
		583099	583100
		583105	583107
		583133	583134
		583164	583165
		583181	583182
			583206
			583207

2,00	CRUSTACEANS, GEN.	582654
		582665
		582668
		582671
		582689
		582742
		582745
		582748
		582666
		582669
		582672
		582693
		582743
		582746
		582749
		582667
		582670
		582673
		582694
		582744
		582747
		582750

## 2,00 CRUSTACEANS, GEN. (continued)

	582751	582766	582792
	582815	582827	582841
	582853	582896	582919
	582923	582928	582940
	582982	583064	583110
	583112	583118	583119
	583128	583143	583158

2,09	COPEPODA	582984
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2,10	<i>Acrocalanus</i>	583146
	<i>Calanus</i>	582917
	<i>Caligus</i>	583164
	CLAUSIDIIDAE	582961
	<i>Cyclops</i>	582992
	<i>Lepeotheirus</i>	583164
	LICHOMOLGIDAE	582961
	<i>Parapetalus</i>	583164
	PSEUDOMYICOLIDAE	582961

2,13	<i>Balanus</i>	582650
	<i>Elminius</i>	583160
	THORACICA	582884

2,23	<i>Limnoria</i>	582843
	<i>Metoponorthus</i>	582843
	<i>Sphaeroma</i>	582843

2,24	<i>Chelura</i>	582843
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2,26	<i>Thysanopoda</i>	583022
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2,27	DECAPODA	582805	582806
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2,28	<i>Crangon</i>		583144
	CRANGONIDAE		583103
	<i>Metapenaeus</i>		583015
	NATANTIA	581900	582190
		582611	582616
	<i>Palaemon</i>		582867
	<i>Palaemonetes</i>		582867
	<i>Pandalus</i>		583144
	PENAEIDAE	582766	582923
			582958
	<i>Sergestes</i>		582933

2,29	<i>Callinectes</i>	582771	583147
	<i>Cambarus</i>		582767
	<i>Cancer</i>		582771
	<i>Carcinus</i>		582771
	<i>Emerita</i>		582771
	<i>HOMARIDAE</i>		582881
	<i>Homarus</i>	582662	582712
	<i>Jasus</i>	582842	582774

## 2,29 (continued)

Libinia	582771
Menippe	583147
Neopenopeus	582771
Nephrops	583077
Orconectes	582772
Ovalipes	582771
Pagurus	582771
Palinurus	582683
PALINURIDAE	582681
Panulirus	582771
Pugettia	582769
REPTANTIA	582870
Uca	582771

2,99	CRUSTACEANS, MISC.		582675
	582726	582750	582783
	582968	582990	583098
			583131

3,00 MOLLUSCS, GEN.	582665	582666
582667	582668	582669
582670	582671	582672
582673	582689	582693
582694	582742	582743
582744	582745	582746
582747	582748	582749
582750	582751	582766
582792	582827	582841
582853	582896	582919
582923	582928	582940
582982	583064	583110
583112	583118	583119
583128	583143	583158

3,03 Cryptochiton	582769	582913
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3,05 GASTROPODA	583149
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3,09 Busycon	583147
Fasciolaria	583149
Melongena	583147
Murex	583147
Pleuroploca	583147
Thais	583147

3,10 Pila	582989
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3,11 Tritonia	582883
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3,15 PELECYPODA	582659	583149
		582961

3,16 Anodonta	582874
Crassostrea	583005

## 3,16 (continued)

<i>Dreissensia</i>			582649
<i>Ostrea</i>	582771		582803
<i>OSTREIDAE</i>			583147
<i>Pecten</i>	582928		583073
<i>Pinctada</i>	583016	583017	583163

3,17 Bankia	582843
Martesia	582843
Nausitora	582843
Pholas	582843
Tapes	582921
Teredo	582843

3,19 CEPHALOPODA	582884
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3,21	Architeuthis		582883
	Loligo		582771
	Octopus	582695	582779
	Ommastrephes		582883
	Sepia	582883	582908
	Todaropsis		582883

3,99	MOLLUSCS, MISC.	582675	582726
		582731	582759
			582968
		583098	583104
			583131

4,06 Eumetopias	582920
PINNIPEDIA	582956

4,16 Castor	582991
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4,21 CETACEA	582775	582776	582951
		582956	583143

4,22	Delphinus		582987
	Physeter	582780	583162
	Prodelphinus		582987
	Sotalia		582987

4,23	<i>Balaenoptera</i>		582777
	<i>Megaptera</i>	582778	583012

4,97 MAMMALS, AQUATIC	582853
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4,99 MAMMALS, MISC.	582905	582948
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5,00 AMPHIBIANS, GEN.	582895
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5,04 Necturus	583202
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5,10 Scaphiopus	583200
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5,11 Bufo	583200	583203
Crinia		582954



6,98	INVERTEBRATES, GEN.	582743	7,99	ALGAE, MISC.	582652	582873
	582744	582745	582746		582988	583001
	582747	582748	582749			583024
		582750	582907	8	Dermocystidium	583100
7,00	ALGAE, GEN.	582651	582693	8,01	BACTERIA*	582973
	582694	582742	582766	8,58	Ceratostomella	582648
	582792	582827	582841	8,97	FUNGI, AQUATIC; FUNGI AND VIRUSES PARASITIC IN AQUATIC ORGANISMS	582832
	582904	582919	582923			
	582928	582929	582940	9,43	Zostera	582921
	582955	582982	582985	9,97	AQUATIC EMBRYOPHYTES	582651
	583000	583021	583023		582955	582960
	583064	583094	583128			583001
	583158	582929	582955			583027
						583086
7,03	Chlamydomonas	582765				
	Gonium	582765				
	Platymonas	582766				
7,06	Chlorella	582765	582851			
		582872	583126			
	Oocystis		582765			
	Scenedesmus	582115	582199			
		582200	583126			
7,08	Enteromorpha	583066				
	Ulva	583066				
7,11	Rhizoclonium	582765				
7,13	Oedogonium	582765				
7,15	Spirogyra	582765				
7,43	Achnanthes	580873				
	Cymbella	580873				
	Eunotia	580873				
	Fragilaria	580873				
	Frustulia	580873				
	Gomphonema	580873				
	Pinnularia	580873				
	Stauroneis	580873				
	Surirella	580873				
	Synedra	580873				
7,67	Goniaulax	582302				
7,70	Euglena	582765				
7,77	LAMINARIACEAE	582317				
7,82	Porphyra	583009				
7,85	Gelidium	582941				
	Pterocladia	582941				

\*Sub-divisions with aquatic forms.

100	AFRICA			400	ASIA		
112	Algeria		583033	413	Israel		582666
113	Morocco	583049	583066	423	India	582751 582752	582753
144	Sierra Leone		582959			582754 582755	582756
145	Nigeria		583004			582757 582758	582759
151	Angola		582666			582760 582843	583136
154	Union of South Africa	582784	582965	432	Thailand	583138	582666
200	NORTH AMERICA			433	Malaya		582738
210	Canada	582666	583081	436	Sarawak		582738
212	British Columbia	582710 583153	582852 583157	437	Philippines		582923
213	Saskatchewan		582824	441	Chinese People's Republic	583164 583165	583166
216	Newfoundland	582781	583151	444	Korea		582666
216	Labrador		583045	451	Japan		582851
217	New Brunswick		582711	500	EUROPE		
220	Alaska		582696	511	Denmark	582669 582700	582835
230	United States of America	582666 583081	582779 583145	513	Iceland	582921 583081	582668
231	Washington State		583173	514	Norway	582775 582837	582967
231	Idaho		583177			582968 582969	583067
232	California	582769 583203	582829 583206	516	Sweden		582647
233	Wyoming		583176	521	Netherlands		582670
234	South Dakota		583200	522	Belgium		582666
234	Wisconsin	583011	583175	524	France	582686 583031	582834 583036
234	Illinois		583178	531	Ireland		582822
234	Michigan		583019	532	United Kingdom	582665 582667	582839
234	Kentucky		583181			582922 582941	582957
235	Texas		582766			583034	
236	Massachusetts	582928	583182	533	England	582660 582664	582803
236	Rhode I.		583023	533	Wales		582955
237	Pennsylvania		582762	534	Scotland	582693 582694	582883
238	North Carolina		583187			583000 583071	583073
238	South Carolina		583005			583075 583078	583081
238	Florida	583147 583207	583148 583189	541	Azores		582780
240	Bermudas		582801	542	Spain		582782
250	Greenland		583083	543	Italy		582666
300	LATIN AMERICA			551	Yugoslavia	582666 582698	582848
311	Mexico		582848	555	Romania	583057 583058	583060
312	Guatemala		582663			583063 583095	
318	British Honduras		582663	556	Turkey		582666
321	Bahamas		582958	561	Germany		583106
322	Cuba		583208	561	Federal Republic of Germany	582651 582671	583028
332	Venezuela		582796			583029 583092	583096
342	Peru		582742	563	Austria	583097 583102	583109
343	Chile		582848	571	German Democratic Republic	583129	
351	Brazil	582666 582826	582848			582877 582879	583018
353	Argentina		582953			583087 583107	583108
						583111 583112	583115
						583118 583119	583132

572	Poland	582666	582962	582963	ASE.03	Mediterranean sea,			
		582964				Western	582686	583030	583033
600	OCEANIA						583036	583048	583050
610	<u>Australia</u>	582666	582808	582827	ASE.08	Adriatic Sea			583205
		582954	583016	583017	ASE.10	Black Sea	582704	582717	582723
		583162	583163				582788	582861	582916
613	South Australia			583014	ASE.11	Sea of Azov	582702	582705	582722
616	Queensland		582774	583015			582888		
617	Tasmania		583013	583204	I	INDOPACIFIC OCEAN			583022
630	<u>New Zealand</u>	582666	582933	582943	IN	Pacific,	582793	582887	582897
		582944				North	582914	582917	582937
631	New Zealand						582939	582940	582984
	(N and S Is.)			583160			582985	582993	
660	<u>Hawaiian Is.</u>		582885	583183	IN.01	Japan Sea			583035
674	Marshall Is.			583006	IN.02	Sea of Okhotsk		582901	582971
681	British Solomon Is.			582997	IN.03	Bering Sea			582978
683	New Hebrides			582997	IS	<u>Tropical</u>			
700	UNION OF SOVIET SOCIALIST					<u>Indopacific</u>		582653	583032
	REPUBLICS		582726	582830	IS.	Indian Ocean			582661
710	<u>Russian F.S.S.R.</u>				ISW.06	Bay of Bengal			583136
		582666	582705	582706	ISEW	Indopacific,			
		582707	582712	582721		Central		582791	582825
		582723	582727	582731	ISEW.02	South China			
		582733	582734	582737		Sea		582777	582987
		582788	582790	582792	ISE	Pacific, South			
		582865	582871	582870		East		582945	583192
		582896	582898	582899	I	POLAR SEAS			
		582900	582920	582924	IN	<u>Arctic Ocean</u>		582673	583053
		582935	582936	582938	IS	<u>Southern Ocean</u>		582821	583043
		582973			ISEW.06	Bellinghshausen Sea			582778
751	Ukrainian S.S.R.		582732	582733	L	INLAND SEAS AND			
A	ATLANTIC OCEAN					INTERTERRITORIAL LAKE			
AN	<u>Atlantic, North</u>			582812		SYSTEMS			
ANW	Atlantic,	582776	582794	583135	L.11	East African			
	North West	583152	583188	583191		Lakes		582740	583003
ANW.04	Gulf of				L.72	Caspian Sea	582716	582733	582785
	St. Lawrence		582990	582995					
ANE.04	North Sea	582688	582701	583079					
		583082							
ANE.05	Baltic Sea	582688	582854	583096					
		583117	583119						
ANE.06	Gulf of Botania			582730					
ANE.07	Gulf of Finland			582983					
ANE.08	English Channel			583040					
AS	<u>Atlantic,</u>								
	South	582768	582828	583020					
AS.01	Gulf of								
	Mexico	583002	583190	583196					
ASE	Atlantic,	583046	583049	583057					
	South-east	583066							

Hedgpeth, J. (Ed.) (1957) 583211  
Mem.geol.Soc.Amer., (67):1296 p.  
Treatise on marine ecology and  
paleoecology. I. Ecology

A collection of specially prepared  
review essays & bibliographies. Index by  
places, spp., subjects & authors. For  
individual papers see 581972, 582886,  
& 584037 to 584100.

FAO:sjh

M

Nelson, P.R. (1958) 583214  
Science, 128:205-6  
Relationship between rate of photo-  
synthesis and growth of juvenile red  
salmon

An Alaskan lake was fertilised each  
year from 1950 to 1956 with inorganic  
nitrate & phosphate fertilisers to  
increase nutrients, basic production,  
& eventually food supply to & growth of  
Oncorhynchus nerka; preliminary results  
are reported.

FAO:glk

MF

Milne, L.J. & M. Milne (1958) 583212  
Science, 128:82  
Treatise on marine ecology and  
paleoecology

Review of 583211 & 570948.

FAO:

M

Blaxter, J.H.S. & B.B. 583215  
Parrish (1958)  
Mar.Res., (2):24 p.  
The effect of artificial lights on fish  
and other marine organisms at sea

Reports 59 expts. 1953-7 off E & W  
coasts of Scotland on Gadus merlangus  
& other Gadus spp., Clupeoids  
(especially Clupea sprattus & C.  
harengus) & other teleosts (Ammodytes,  
Motolla, Gasterosteus, Gobius, Anguilla),  
Crustacea, Alloteuthis & Neroids.  
Describes experimental method, methods  
of sampling, effect of colour, intensity.  
SJH:sjh M

Sackott, W.M. & H.A. 583213  
Potratz (1958)  
Science, 128:204-5  
Thorium content of ocean water

Analytical technique, measurement of  
radioactivity.

FAO:glk

M

Smith, F.G.L. (1958) 583216  
Educ.Ser.Fla Bd Conserv., (11):34 p.  
The spiny lobster industry of Florida

Educational leaflet describing research  
on Palinustus, Panulirus, Justitia &  
Palinurellus spp., their identification,  
biology, cultivation & capture, the  
value of industries based on them, &  
regulations relating to them.

HR,Jr.:glk

M

Gagnon, A. (1958) 583217  
Canad. J. Res. (Zool.), 36:479-87  
 La toxicité du DDT pour le saumon de l'Atlantique (Salmo salar Linné) et les alevins de truite (Salvelinus fontinalis Mitchill) (The toxicity of DDT to the Atlantic salmon (Salmo salar Linné) and the trout fry (Salvelinus fontinalis Mitchill))

A study of the relative sensitivity of brook trout fry, salmon fry & 1- & 2-year-old parrs to known quantities of DDT in hatchery-trough experiments with larger numbers of specimens than were used by previous workers.

FAO:hr

F

Warburton, F.E. (1958) 583220  
Canad. J. Res. (Zool.), 36:555-62  
 The manner in which the sponge Cliona bores in calcareous objects

Boring in sholls & calcite crystals was investigated, using a new type of reconstitution culture. No free acid was detected, & no detectable quantity of calcium was put in solution by the sponge. However, acid action is indicated by restriction of boring to calcium carbonate.

FAO:hr

M

Wilson, M.S. (1958) 583218  
Canad. J. Res. (Zool.), 36:489-97  
 New records and species of calanoid copepods from Saskatchewan and Louisiana

Diagnoses are given for three new spp. of the fresh-water calanoid copepod genus Diaptomus (subgenera Hesperodiaptomus & Aglaodiaptomus) from Saskatchewan & Louisiana. A check list of the calanoid copepods of Saskatchewan incl. 23 spp.

FAO:hr

F

Garside, E.T. & J.S. Tait (1958) 583221  
Canad. J. Res. (Zool.), 36:563-7  
 Preferred temperature of rainbow trout (Salmo gairdneri Richardson) and its unusual relationship to acclimation temperature

The modal preferred temperatures of rainbow trout acclimated to 5° C., 10° C., 15° C., & 20° C., were determined photographically to be 16° C., 15° C., 13° C., & 11° C., respectively. The final preferendum was 13° C. The phenomenon of decreasing preferred temperature with increased acclimation temperature has not been reported for any other sp. of fish.

FAO:hr

F

Meerovitch, E. (1958) 583219  
Canad. J. Res. (Zool.), 36:513-23  
 Some biological requirements and host-parasite relations of Entamoeba invadens

A hypothesis explaining the processes leading to the encystation of E. invadens is presented. It can live in turtles as a harmless commensal because the conditions necessary for its encystation & the completion of its life cycle are available. As these conditions are not present in snakes, the amoeba feed on the mucous secretion of the snakes' intestinal epithelium, & invade the tissues.

FAO:hr

MF

Lewis, J.B. (1958) 583222  
Canad. J. Res. (Zool.), 36:607-21  
 The biology of the tropical sea urchin Triplonustes esculentus Leske in Barbados, British West Indies

A large white-spined sea urchin, common at Barbados & in coastal waters throughout much of the tropical Atlantic, which is exploited locally as food. Its biology is given here in terms of growth, reproduction, development, reactions, methods of feeding, & variability.

FAO:hr

M

Lejuez, R. (1958) 583223  
C.R.Acad.Sci., Paris, 247:659-61  
Sur le polychromatisme des Sphaeroma  
serratum (Fabricius) le long du littoral  
occidental du Cotentin (On the  
polychromatism of Sphaeroma serratum  
(Fabricius) along the west littoral of  
Cotentin)

Study of 30 populations divisible into  
4 geographically defined groups.

FAO:glk

M

Beklemishev, K.V. (1958) 583226  
C.R.Acad.Sci.U.R.S.S., 119:694-7  
Sviaz raspredeleniia fitoplanktona  
indookeanskogo sektora Antarktiki s  
gidrologicheskimi usloviiami  
(Relation between the distribution of  
phytoplankton & hydrologic conditions in  
the Indian ocean sector of the Antarctic)

Description of spp. found & their  
distribution in particular areas of the  
upper stratum of the ocean. Cyclones  
produce a rise of deep water, which  
affects the development & distribution  
of plankton.

FAO:go

M

Bocquet, C. & R. Lejuez (1958) 583224  
C.R.Acad.Sci., Paris, 247:720-3  
Sur un gène nouveau, luteum, de  
l'isopode Sphaeroma serratum (Fabricius)  
(On a new genus, luteum, of the isopod  
Sphaeroma serratum (Fabricius) )

Description of the gene & its  
association with other genes related to  
structural polychromatism.

FAO:glk

M

Sarkisian, A.S. (1958) 583227  
C.R.Acad.Sci.U.R.S.S., 119:698-701  
O nestatsionarnykh vetrovykh techeniakh  
v baroklinnom okeane (Unsteady wind  
currents in a baroclinic ocean)

Relation between various active forces  
& effect of surface circulation,  
produced by winds, on the baroclinic  
strata.

FAO:go

M

Anonymous (1958) 583225  
El Campo, (797):69-87  
Algunas notas sobre la crianza de la  
carpa seleccionada de Israel (Some  
notes on the breeding of selected carp  
from Israel)

Deals with the advantages of carp for  
fish culture in small farms in Mexico  
& describes the characteristics of fish  
tanks & farms, & the systems &  
processes involved in selecting,  
rearing & distributing these fishes.

Kriss, A.D., A.S. Tikhonenko 583228  
& V.I. Biriuzova (1958)  
C.R.Acad.Sci.U.R.S.S., 119:809-11  
Ultramikroskopicheskie obrazovaniia,  
obnaruzhennye v morskikh i okeanicheskikh  
glubinakh (Ultramicroscopic  
formations, discovered in sea & ocean  
abysses)

Electronic microscopy applied in the  
study of exceedingly small albuminous  
elements of virus type. Description of  
tests made with samples collected at  
depths from 0 to 7500 m.

FAO:go

M

:cm

F

<p>Strelkovskii, V.I. (1958) 583229  <u>C.R.Acad.Sci.U.R.S.S.</u>, 119:837-40  Ontogenez operkuliarnogo skeleta  Acipenseridae i ego filogeneticheskoe  znachenie (Ontogenesis of the  opercular framework of Acipenseridae &amp;  its phylogenetic importance)</p> <p>Studies carried out on fry &amp; adult  specimens of <u>A. güldenstädti</u>.  Description of the order of appearance  &amp; development of the 4 gill-cover bones.  Examination of the theory that sturgeons  constitute a primitive group instead of  being degenerate descendants of the  Palaeoniscidae.</p> <p>FAO:go MF</p>	<p>Kamenkovich, V.M. (1958) 583232  <u>C.R.Acad.Sci.U.R.S.S.</u>, 119:1134-7  O nekotorykh uproshcheniakh uravnenii  dinamiki statsionarnykh techenii v  baroklinnom more (Certain  simplifications of equations regarding  the dynamics of steady currents in a  baroclinic sea)</p> <p>The problem concerns steady currents  produced by wind in a deep strongly  stratified sea with vertical shores.  Equations are simplified by estimating  the order of values of their components.</p> <p>FAO:go M</p>
<p>Shuleikin, V.V. (1958) 583230  <u>C.R.Acad.Sci.U.R.S.S.</u>, 119:929-32  Kak ryba-lotsman dvizhetsia so  skorostiu akuly (How a pilot-fish  moves with the same speed as a shark)</p> <p>Discussion of the possibility that the  pilot-fish, which is itself capable of  only slow movement, keeps within &amp; is  drawn along by the friction layer of  water close to the body of the shark.</p> <p>FAO:glk M</p>	<p>Shuleikin, V.V. (1958) 583233  <u>C.R.Acad.Sci.U.R.S.S.</u>, 119:1138-41  Kharakteristicheskie parametry polia  vetrovykh voln v okeane  (Characteristic parameters of the field  of wind waves on the ocean)</p> <p>The results of new studies &amp;  measurements make it possible to  characterize the field of storm waves  far beyond their primitive stages of  development. Methods for solving the  problem.</p> <p>FAO:go M</p>
<p>Geinrikh, A.K. (1958) 583231  <u>C.R.Acad.Sci.U.R.S.S.</u>, 119:1028-31  O pitanii morskikh kopepod v tropicheskoi  oblasti (Nutrition of marine copepoda  in the tropical region)</p> <p>Study carried out on different spp. &amp;  sizes of copepoda collected in the  Kuroshiwo current. Nature, state &amp;  prevalent type of feed found in their  intestines. Author concludes that free  phytoplankton is an important link in  the food chain of the tropical pelagic  zone.</p> <p>FAO:go M</p>	<p>Luferov, V.P. (1958) 583234  <u>C.R.Acad.Sci.U.R.S.S.</u>, 119:1229-32  Vliianie temperatury na gazoobmen  lichinok nekotorykh Polopiinae (Tendi-  pedidae, Diptera) (Effect of  temperature on the gas-exchange of larvae  of certain Pelopiinae (Tendipedidae,  Diptera) )</p> <p>Experiments carried out in a micro-  respirometer, placed in an aquarium-  termostat, on 3 spp. at 7 constant  temperatures. Description of procedure.  Thermal optimum &amp; natural environment.  Curves of daily breathing rhythm, under  the influence of temperature, from the</p>

<p>583234 (Card 2)</p> <p>state of anabiosis at low temperature to death at high temperature.</p> <p>FAO:go F</p>	<p>Bekman, M.Iu. (1958) 583238  <u>C.R.Acad.Sci.U.R.S.S.</u>, 120:208-11  O karlikovykh samtsakh u endemikov Baikala (Dwarf males of lake Baikal endemics)</p> <p>Comparative data on the size of male &amp; female specimens of certain gammarids &amp; of <u>Comephorus baicalensis</u> &amp; <u>C. dybowskii</u> inhabiting lake Baikal. Considerable hiatus between sexes noted in the endemic <u>Macrohectus</u> &amp; <u>Comephorus</u>. Author believes these spp. to have evolved through neotenia owing to difficult food relations.</p> <p>FAO:go F</p>
<p>Kos, M.S. (1958) 583236  <u>C.R.Acad.Sci.U.R.S.S.</u>, 120:191-2  Nekotorye dannye o copepoda pribrezhnogo planktona Iuzhno-Kuril'skikh ostrovov (Some data on copepoda forming part of the coastal plankton of the South-Kuril Islands)</p> <p>Spp. collected in the warmest shallows of the S. Kuril strait, which is a juncture of currents differing by origin &amp; thermal regime. By order of importance, collected copepods consisted of warm-water, south-boreal, much less arctic-boreal &amp; widely-spread, few boreal &amp; no arctic or tropical spp.</p> <p>FAO:go M</p>	<p>Pavlovskaya, R.M. (1958) 583239  <u>C.R.Acad.Sci.U.R.S.S.</u>, 120:415-8  O vyzhivaemosti lichinog khamsy v severo-zapadnoi chasti i v nekotorykh drugikh raionakh Chernogo moria v 1954 - 1955 gg. v zavisimosti ot kormovykh uslovii (Survival rates of anchovy larvae in the NW &amp; other areas of the Black Sea in 1954 - 1955, in connection with food resources)</p> <p>Numerical fluctuations of <u>Engraulis encrasicolus</u> Linné depend largely on the survival of larvae. Data on their food requirements, on larvae &amp; plankton distribution in both years. Survival of larvae depends on early development &amp;</p>
<p>Aleev, Iu.G. (1958) 583237  <u>C.R.Acad.Sci.U.R.S.S.</u>, 120:204-7  Ob izmenenii otnositelnoi velichiny plavnikov u ryb v ontogeneze i filogeneze (Alteration of the relative size of fish fins in the process of ontogenesis &amp; phylogenesis)</p> <p>Studies carried out on different fishes. Fins undergo transformation according to definite laws relating to hydrodynamic requirements. Functional alteration of fins in relation to size; morphology &amp; behaviour of fishes. Measurements of studied specimens given.</p> <p>FAO:go MF</p>	<p>583239 (Card 2)</p> <p>therefore on hydro-meteorologic conditions.</p> <p>FAO:go M</p>

Monakov, A.V. (1958) 583241  
C.R.Acad.Sci.U.R.S.S., 120:419-21  
Zhiznennyi tsikl Mesocyclops leuckarti  
claus (Copepoda, Cyclopoida) (Life  
cycle of Mesocyclops leuckarti claus  
(Copepoda, Cyclopoida) )

Results of research on the practically  
unknown biology of M. leuckarti.  
Identical experimental breeding methods  
as with Acanthocyclops veridis (C.R.Acad.  
Sci.U.R.S.S., 119(3), 1958).  
Description of procedure & data obtained  
on the duration of metamorphosis, effect  
of environment, fecundity, sizes,  
survival rates.

FAO:go

F

Aleev, Iu.G. (1958) 583244  
C.R.Acad.Sci.U.R.S.S., 120:510-3  
Prisposoblenie k dvizheniiu i povorotli-  
vost ryb (Adaptation to movement &  
maneuverability of fish)

Analysis of external forces acting on  
fishes & of profiles of fish, as  
affecting their maneuverability. Data on  
25 spp., classified according to  
horizontal & vertical maneuverability &  
coefficient of resistance for rectilinear  
movement. Most fishes effect vertical  
turns sidewise. Lateral movement &  
frontal resistance constitute the  
prevailing factors of maneuverability.

FAO:go

MF

Poddubnaia, T.L. (1958) 583242  
C.R.Acad.Sci.U.R.S.S., 120:422-4  
Nekotorye dannye po razmnózheniiu  
tubifitsid (Data on the reproduction  
of tubificidae)

Description of tests carried out in  
aquaria on tubificidae collected in the  
Rybinsk water reservoir. Temperature of  
water, substratum, nutrition. Yield of  
cocoons, incubation at various  
temperatures. Development, nutrition &  
behaviour of embryos & young worms.

FAO:go

F

Rudakov, N.P. (1958) 583245  
C.R.Acad.Sci.U.R.S.S., 120:661-4  
Nakoplenie i poteri kaltsiia segolotkami  
karpa v zavisimosti ot kontsentratsii  
kaltsievvykh soedinenii v okruzhaiushchoi  
srede (Accumulation & losses of  
calcium by carp fingerlings in connection  
with the concentration of calcium  
compounds in the environment)

Studies carried out by means of radio-  
active calcium  $Ca^{45}$ , to establish the  
optimum solutions for marking fish.  
Description of procedure & data  
obtained.

FAO:go

F

Beklemishev, K.V. (1958) 583243  
C.R.Acad.Sci.U.R.S.S., 120:507-9  
Biogeograficheskaiia priroda nokotorykh  
vidov antarkticheskogo zooplanktona  
(Bio-geographic nature of certain spp.  
of Antarctic zooplankton)

Such information is necessary for  
analysing the causes of their  
distribution. States that there exist  
westward & eastward latitudinal  
currents & a mixed area in the Antarctic.  
Data on the distribution of different  
spp. & geographical classification  
according to their appartenance to  
certain water masses.

FAO:go

M

Kiknadzo, I.I. (1958) 583246  
C.R.Acad.Sci.U.R.S.S., 120:644-6  
Nuklooliarnyi apparat v oogeneze  
tsiklopov (Nucleolar apparatus in  
the process of cyclops' ovogenesis)

Study tending to prove the existance of  
a filar structure in the nucleolus of  
cyclops. Description of procedure &  
agents, & of ovogenesis. The appearance  
of nucleolus in the process of ovogenesis  
may alter according to living conditions.  
It differs in specimens raised in  
aquaria & those collected from ponds.

FAO:go

F

Nikitin, V.N. (1958) 583247  
C.R.Acad.Sci.U.R.S.S., 120:893-5  
Kolichestvonnoc raspredeloni midii  
(Mytilus galloprovincialis Lam.) v  
severo-zapadnoi chasti Chernogo moria  
(Numerical distribution of mussels (M.  
galloprovincialis Lam.) in the NW Black  
Sea)

Result of exploration by a scientific  
expedition, of commercial mussel  
resources. A relative constancy of  
numerical distribution was observed.  
Areas marked according to density of  
colonies, from 50 to 1500 specimens to  
the sq.m. Tentative figure of total  
resources. Fluctuations may be caused

by changing environment & food  
resources.

FAO:go

M

Ozmidov, R.V. (1958) 583250  
C.R.Acad.Sci.U.R.S.S., 120:761-3  
O rascheto gorizontanoi turbulentnoi  
diffusii piaton primosi v more  
(Calculation of a turbulent horizontal  
diffusion of admixture spots in a sea)

Examination of the advantage of the  
'power  $3/4$ ' law for determining the  
coefficient of turbulent horizontal  
diffusion, as against assumption of the  
constancy of this coefficient.

FAO:go

M

Biswell, H.H. & A.M. 583251  
Schultz (1958)  
Calif.Fish Game, 44:211-30  
Effects of vegetation removal on  
spring flow

Describes quantitative measurements on  
the effects of brush & tree removal  
& manipulation on spring & creek flow  
in California.

WAD:wad

F

Petipa, T.S. (1958) 583249  
C.R.Acad.Sci.U.R.S.S., 120:896-9  
O sutochnom ritme v pitanii veslonogogo  
rachka Acartia glausi Ciesbr.  
(Daily nutrition rhythm of the copepod  
Acartia glausi)

24 hour observation of the entire  
process of nutrition of Acartia in  
containers. Data compared with those  
supplied by the Sebastopol bay  
stations. Behaviour of Acartia in  
natural conditions according to stage  
of development, sex, environments, food  
resources, time of the day.

FAO:go

M

Braun, M.L. & T.J. Beland (1958) 583252  
Calif.Fish Game, 44:261-74  
Mendocino national forest stream  
improvement

Describes a study in California designed  
to determine the possibility of  
manipulating riparian vegetation to  
increase shade & cover along exposed  
streams.

WAD:wad

F



Craig, W.L. (1958) 583253  
Calif. Fish Game, 44:275-80  
 The shortnose spearfish Tetrapturus angustirostris Tanaka - A species new to the near shore fauna of the Eastern Pacific ocean

Describes a specimen taken 31 Aug. 1957 near the Sixtymile Bank, Baja California, which constitutes an eastward range extension of 1000 miles, together with notes on other records of this sp., & records of fish in California waters presumed to be Istiophorus groyi.

WAD:wad

M

Sekharan, K.V. (1958) 583256  
Indian J. Fish., 5(1):1-31  
 On the South Kanara coastal fishery for mackerel, Rastrelliger canagurta Cuvier together with notes on the biology of fish

Discussion of fishing operations since 1944 in terms of catch taken, variations in the composition of the catch, and the spawning condition of the fish.

FAO:glk

M

Humphill, D.V. & W.I. 583254  
 Pollett (1958)  
Calif. Fish Game, 44:281-3  
 First record of the agonid fish Pallasina barbata aix Starks from California

Describes a specimen taken in Mendocino County which extends the recorded range of this fish 170 miles southwards.

WAD:wad

M

Nayar, S. Gopalan (1958) 583257  
Indian J. Fish., 5(1):32-55  
 A preliminary account of the fisheries of Vizhinjam

Description of craft & gear; socio-economic aspects; notes on fishing seasons & recent history of operations on various important spp.; marketing & distribution.

FAO:glk

M

Connell, J.J. (1958) 583255  
Biochem. J., 70(1):81-91  
 Studies on the proteins of fish skeletal muscle. 5. Molecular weight and shape of cod fibrillar proteins

Solutions of unaggregated cod myosin were prepared by ultracentrifugal separation; the sedimentation & diffusion coefficients were measured & the molecular weight & shape calculated from these data with the measured specific volume; the order of magnitude of the molecular weight was determined from turbidity measurements.

FAO:glk

M

Sarojini, K.K. (1958) 583258  
Indian J. Fish., 5(1):56-76  
 Biology and fisheries of the grey mullets of Bengal

Distribution, radiation, growth of body parts, length-weight relation, condition, maturation & spawning, fecundity, age & growth, migrations, exploitation.

FAO:glk

MF

Karekar, P.S. & D.V. Bal (1958) 583259  
Indian J.Fish., 5(1):77-94  
 The food and feeding habits of  
Polynemus indicus (Shaw)

Species fed upon; variations in stomach contents of juvenile & adult Polynemus from month to month; volume of food & feeding activity; feeding in relation to maturity.

FAO:glk

MF

Jones, S. & V.R. Pantulu (1958) 583262  
Indian J.Fish., 5(1):118-43  
 On some larval and juvenile fishes from the Bengal and Orissa coasts

Stages of Zenarchopterus buffoni Valenciennes, Bregmaceros maclellandi Thompson, Callionymus melanotopterus Bleeker, Psottodes erumoi Bloch & Schneider, Pseudorhombus arsius Hamilton, P. oligodon Bleeker, Arnoglossus tapcinosoma Bleeker, Bothus sp., Samaris macrolepis Norman, Solea ovata Richardson, Heteromycteris oculus Alcock, Cynoglossus spp., Triacanthus brevirostris Temminck & Schlegel, & Parapegasus natans Linnaeus are described & figured.

FAO:glk

M

Alikunhi, K.H. (1958) 583260  
Indian J.Fish., 5(1):95-106  
 Observations on the feeding habits of young carp fry

Laboratory experiments on feeding capacity under varying conditions of food density & of light intensity; selectivity was determined & the effect of starvation on feeding capacity was also studied.

FAO:glk

F

Saha, K.C. & al. (1958) 583263  
Indian J.Fish., 5(1):144-9  
 Physico-chemical qualities of Calcutta sewage from the view-point of pisciculture and the danger of feeding raw sewage to confined fisheries

Contents as per title.

FAO:glk

F

Tampi, P.R.S. (1958) 583261  
Indian J.Fish., 5(1):107-17  
 On the food of Chanos chanos (Forskål)

Examination of stomach contents & review of evidence on food & feeding habits.

FAO:glk

MF

Prasad, R. Raghu (1958) 583264  
Indian J.Fish., 5(1):170-88  
 Plankton calendars of the inshore waters at Mandapam, with a note on the productivity of the area

For the Gulf of Mannar & Palk Bay there are given for each month, notes on sea-surface conditions, salinity & temperature, standing crop of plankton, character of phytoplankton & zooplankton present.

FAO:glk

M

Jones, S. (1958) 583265  
Indian J. Fish., 5(1):189-94  
Notes on the frigate mackerels, Auxis  
thazard (Lacépède) and A. tapinosoma  
Bloeker, from Indian waters

Key to the spp.; records of occurrence  
& general description.

FAO:glk

M

Andersson, K.A. (1958) 583268  
Rep. Inst. mar. Res. Lysekil, (8):41 p.  
The stock of herring and the herring  
fisheries on the west coast of Sweden  
in the first half of the twentieth  
century

Growth of herring in Skagerak &  
Kattegat; the fishery of different races  
& stocks & its fluctuations from 1904 -  
1949; the year-class strengths of various  
races & discussion of the causes of  
these variations.

FAO:tl

M

Wiolinga, D.T. (1958) 583266  
Groningen, 172 p.  
Deductieve onderzoekingen over aard en  
ontstaan van betrekkingen tussen  
biologische kenmerken - een biodynamische  
studie aan haring (Deductive  
investigations on the nature and origin  
of relations between biological  
characters - a biodynamic study on  
herring). En

Proposes the term 'biodynamic research'  
for the analysis of the 'causative  
biological mechanism' &, proposing a  
logical method (involving statistical  
operations) for this research, applies  
it in studies of the relations between

Sadlaev, K.A. & L.V. 583269  
Minkovich (1958)  
Fish. Ind., Moscow, 34(2):10-2  
Problema perobroski stoka severnykh rek  
v bassein Volgi (Problem of  
diverting the flow of northern rivers  
into the Volga system)

Examination of the effects of diversion  
of the Pechora river into the Volga,  
which will favour certain stocks by  
rehabilitation of certain estuaries but  
cut off salmon & whitefish from their  
spawning grounds; need for artificial  
spawning grounds is considered.

FAO:glk

MF

583266  
(Card 2)  
morphological characters,  
teratological characters, & between  
topographic-anatomical characters of the  
herring, & from these results discusses  
the biology of the herring, with special  
reference to raciation.

GLK:glk

M

Kozlovskii, D.A. (1958) 583270  
Fish. Ind., Moscow, 34(2):13-7  
Formirovaniye obosoblonnykh stad  
iskusstvenno razmnozhaemykh promyslovykh  
ryb (Creation of separate stocks of  
artificially reproduced commercial fish)

Attempt to solve the problem of estimating  
the commercial return of hatchery-bred  
salmon by creating separate stocks &  
exploiting their homing instinct,  
spawners being guided to their birthplace  
by the chemical composition of water.  
Experience at Toplovka chum-salmon  
hatchery. Promising symptoms in the  
behaviour of non-salmonid fish.

FAO:go

MF

Biriulin, G.M. (1958) 583271  
Fish.Ind., Moscow, 34(2):18-20  
O moste okeanografii v rybokhoziaist-  
vennoi nauke (Position of oceano-  
graphy within pisciculture)

States that there exists a specific  
'commercial fishing' branch of oceano-  
graphy. That working methods & tasks set  
for commercial oceanography laboratories  
are not well defined. Describes tentative  
patterns of cooperation between  
hydrologists & biologists. Results of  
research should cover the requirements  
of both sciences.

FAO:go

M

each stock.

583273  
(Card 2)



FAO:go

MF

Lazarev, M.S. (1958) 583272  
Fish.Ind., Moscow, 34(2):20-2  
Raboty po acclimatizatsii dalnevosto-  
chnykh lososoi v basseine Barentsogo  
moria (Action taken towards  
acclimatizing far eastern salmon within  
the Barents Sea basin)

Describes attempts to acclimatize  
Oncorhynchus spp.: O. keta from the Amur  
perished in the rivers Onega & Kola;  
attributes failure to different  
environments; O. gorbuscha from Sakhalin  
small rivers survived in Kola peninsula  
watercourses. States that O. gorbuscha  
does not compete with native Salmo salar  
for spawning & feeding grounds.  
FAO:go MF

Butskaia, N.A. (1958) 583275  
Fish.Ind., Moscow, 34(2):24-5  
Eksperimentalnye obosnovaniia osetro-  
vodstva na Agrakhanskom zalive  
(Possibility, substantiated by  
experiments, of breeding sturgeon in the  
Agrakhan bay)

States that water use projects on the  
river Terok deprive Caspian sturgeons of  
their spawning grounds. Describes  
experiments carried out in the Agrakhan  
bay with artificial fertilizing &  
incubation of spawn, obtained from  
reproducers caught in the bay. Deems  
results promising.  
FAO:go MF

Azbolev, V.V., G.D. Gromov & 583273  
I.I. Lagunov (1958)  
Fish.Ind., Moscow, 34(2):22-4  
Opyt ucheta semgi v rekakh Kolskogo  
polnostrova (Estimation of the  
number of salmon in rivers of the Kola  
peninsula)

Stresses the importance of appraising  
salmon reserves by estimating migrating  
spawners. States data, obtained through  
commercial catches, on stocks belonging  
to different Kola peninsular water-  
courses. Deems that more should be learned  
about fecundity, percentage of specimens  
which live to spawn repeatedly, age of  
smolts & spawners, characteristic of

Gonina, N.V., E.F. Martinson & 583276  
V.Ia. Rodikson (1958)  
Fish.Ind., Moscow, 34(2):26-8  
O biotekhnike iskusstvennogo razvedoniia  
shchuki (Biotechniques of artificial  
pike-breeding)

Describes experiments carried out in  
Estonia: selection & treatment of  
spawners, fertilization, handling &  
transportation of spawn, environment &  
losses, conditions in which larvae are  
kept & then released.

FAO:go

F

Danilchenko, O.P. (1958) 583277  
Fish.Ind., Moscow, 34(2):28-32  
Proniknovenie radioaktivnogo strontsiia -  
90 iz vody v organizm ryby  
(Penetration of radioactive strontium -  
90, from the water, into the organism of  
fishes)

Describes tests carried out with  
sturgeon & carp fingerlings in radio-  
active environments in order to disclose  
the effect of Sr contents in water on  
fish & the way in which it enters their  
body. Concludes that Sr<sup>90</sup> is introduced  
through mouth, gills & skin & gradually  
concentrates in bones.

FAO:go

MF

Kalinkin, S.A. (1958) 583280  
Fish.Ind., Moscow, 34(2):43-5  
Tekhnika lova baltiiskogo lososia  
(Salmon fishing technique in the Baltic)

Behaviour & separate stocks of Baltic  
salmon. High sea fishing in southern  
areas, fishing gear & procedure.  
Measures recommended for improvement of  
commercial salmon fishing.

FAO:go

MF

Blinov, A.F. (1958) 583278  
Fish.Ind., Moscow, 34(2):33-4.  
Nekotorye dannye o reaktsii solda na  
elektrosvet (Data on the reaction of  
herring to electric light)

Notes on the growing general interest in  
artificial illumination as a means to  
increase catches. States examples of  
herring response in the Baltic & off  
Norway's coasts, to ship lights & its  
behaviour within illuminated zones.  
Describes gear & techniques used by  
crows on the occasions.

FAO:go

M

Keenleyside, M.H.A. (1958) 583281  
Progr.Rep.Atl.Cst Stas, (69):3-6  
Comparative effects of the insecticides  
DDT and Malathion on young Atlantic  
salmon. Fr

Experiments to determine whether the  
new insecticide, Malathion, had an  
effect on young salmon differing from  
that of DDT.

FAO:glk

F

Vinogradov, N.N. & I.I. 583279  
Nikolaev (1958)  
Fish.Ind., Moscow, 34(2):34-8.  
O promysle kilki v otkrytykh raionakh  
Baltiki (Sprat commercial fishing in  
the open areas of the Baltic)

Behaviour, quantity & fluctuation of  
commercial catches of Baltic sprat.  
Examination of correspondence of  
productive years with river discharge  
& plankton. Seasonal fatness of sprat.  
Description of fishing gear & methods.

FAO:go

M

Warburton, F.D. (1958) 583282  
Progr.Rep.Atl.Cst Stas, (69):7-11  
Control of the boring sponge on oyster  
beds. Fr

Description of the damage caused by the  
sponge, & of its reproduction & growth;  
enumeration of the general requirements  
of a control system & description of  
certain of the techniques.

FAO:glk

MF

Wilder, D.G. & R.C. Murray (1958) 583283  
Progr.Rep.Atl.Cst Stas, (69):12-5  
Do lobsters move offshore and onshore in  
the fall and spring? Fr

General account of the results of  
tagging operations & discussion of the  
basis for the impression among  
fishermen that the movements do in fact  
take place.

FAO:glk M

Templeman, W. (1958) 583286  
Progr.Rep.Atl.Cst Stas, (69):22-8  
Lath-spacing in lobster traps. Fr

Review of the history of the lath-  
spacing experiments & laws based on  
them.

FAO:glk M

Templeman, W. (1958) 583284  
Progr.Rep.Atl.Cst Stas, (69):16-7  
Lobsters eaten by sea-fleas. A further  
note. Fr

Identity of the sea-flea: Orchomenella  
punguis.

FAO:glk M

Martin, W.R. & Y. Jean (1958) 583287  
Progr.Rep.Atl.Cst Stas, (69):33-40  
First-year effects of mesh regulation  
on northern New Brunswick dragger  
fishery. Fr

Account of the background of the  
regulation (waste of small fish,  
savings gear, international management),  
& of the characteristics of the catch  
(size of fish, discards, efficiency,  
total) since adoption of the regulation.

FAO:glk M

Campbell, N.J. (1958) 583285  
Progr.Rep.Atl.Cst Stas, (69):18-21  
Recent oceanographic activities of the  
Atlantic oceanographic group in the  
eastern Arctic. Fr

Areas covered & work done.

FAO:glk M

Gottlieb, E. & S.Lipstadt (1958) 583288  
Fish.Bull., Haifa, (16):4-9  
(The Israel trawl fishery in 1957).  
Iw En

Determination, from statistics of  
Mediterranean catches, of trawler  
fishing power as function of horse-  
power, & comparison of fish values &  
running expenses.

SJH:sjh M

Nun, M. (1958) 583289  
Fish.Bull., Haifa, (16):10-3  
(Fishing methods prior to the use of  
nets). Iw

Short history of use of fish hooks,  
spears etc.

SJH:sjh

M

Ben-Tuvia, A. (1958) 583292  
Fish.Bull., Haifa, (16):18-9  
(Know your fish). Iw

Ill., with short notes, of Carcharinus,  
Trachinus, Isurus, Johnius, Coelo-  
rhinchus, Diplodus & Rhinoptera spp.,  
with Hebrew names.

SJH:sjh

M

Ariav, Y. (1958) 583290  
Fish.Bull., Haifa, (16):14  
(Sardine fishery during May 1958). Iw

A note on the Mediterranean fishery.

SJH:sjh

M

Komarovsky, B. (1958) 583293  
Fish.Bull., Haifa, (16):20-4, 35  
(Plankton characteristics of the  
Mediterranean coastal waters of Israel  
during May and June, 1958). Iw En

Search for cause of large Sardinella  
aurita catches at that time revealed  
simultaneous occurrence of an unusual  
plankton peak, especially of Rhizoso-  
lenia calcar-avis, dinoflagellates,  
copepods & cladocera. At same time poor  
catches occurred where the plankton  
consisted mainly of medusae & tunicates.  
Stomach contents study verified that  
sardine is not a selective feeder.

SJH:sjh

M

Bar-Ilan, M. (1958) 583291  
Fish.Bull., Haifa, (16):14-6  
(The world of lake Tiberias fishermen).  
Iw

Contents as per title.

SJH:sjh

F

Kugler, S. (1958) 583294  
Fish.Bull., Haifa, (16):25-8  
(Shrimp fishery in Holland). Iw

A short ill. note - gear & handling  
methods.

SJH sjh

M

Geagan, D. (1958) 583295  
Louisiana Conserv., 10(4):2-3, -18  
Selective poisoning for shad

A popular article on the use of rotenone to control excess populations of Dorosoma cepedianum with specific reference to Louisiana.

FAO:wad

MF

Onderiková, V. (1958) 583298  
Biológia, 13:628-31  
Faunistický prehľad pijavíc (Hirudinea) Zitného ostrova (Juhozápadného Slovenska) (Faunistic survey on Hirudo spp. occurring in the area of the Schütt-Insol (Southwestern CSR) ).  
Ru De

Description of Hirudinea fauna consisting of 10 spp.

FAO:dr

F

Anonymous (1958) 583296  
Louisiana Conserv., 10(4):4-5, 8  
New Marine Research Lab

Describes the new United States Fish & Wildlife Service Bureau of Commercial Fisheries Gulf Fisheries Exploration & Gear Research Pascagoula Fishery Laboratory in Louisiana.

FAO:wad

M

Davies, D.H. (1958) 583299  
Invest.Rep.Div.Fish.S.Afr., (31):16 p.  
The South African pilchard (Sardinops ocellata) and maasbanker (Trachurus trachurus) - The predation of sea-birds in the commercial fishery

Review of data from investigation begun 1952 on food of Morus capensis, Phalacrocorax capensis & Spheniscus demersus in relation to Sardinops ocellata & Trachurus trachurus fisheries.

FAO:sjh

M

Gunston, D. (1958) 583297  
Louisiana Conserv., 10(4):19-20  
How well can fish see?

A popular article on the subject.

FAO:wad

MF

Kabata, Z. (1958) 583300  
Mar.Res., (3):26 p.  
Lernaeocera obtusa n.sp., its biology and its effects on the haddock

Description, life-history, life-span, reproduction, distribution (geographic, in time, on host population), mode of attachment, of this ectoparasite; its effect on intermediate host (Microstomus kitt) & final host (Gadus aeglefinus) - on liver fat, haemoglobin, condition factor, growth & sexual development.

FAO:sjh

M

Halme, E. (1958) 583301  
FiskTidskr.Finl., 65:35-41  
 Timmerö spinnfiskeklubb RF:n suorittamat  
 hauenmerkinnät (Pike tagging by the  
 sport fishing club of Timmerö)

Data on the percentage of recapture,  
 migrations & growth of the tagged pike.

FAO:tl

MF

Liedes, M. (1958) 583304  
FiskTidskr.Finl., 65:49-54  
 Mitä kalamiehet mieltivät (What the  
 fishermen are thinking)

Analysis of answers to a questionnaire.  
 Continuation from previous number of  
 same periodical (580099).

FAO:tl

MF

Ryhänen, R. (1958) 583302  
FiskTidskr.Finl., 65:41-7  
 Zürichin Kantonin kalatalous  
 (Fisheries in the Zürich Kanton)

Description of the management of those  
 fisheries.

FAO:tl

F

Halminen, T. (1958) 583305  
FiskTidskr.Finl., 65:54-6  
 Kokemuksiani haukikannan lisäämisestä  
 (Experiences in the artificial increase  
 of pike stock)

Popular discussion of the results of  
 artificial stocking of lakes with pike  
 larvae & description of hatching  
 techniques.

FAO:tl

F

Korhonen, L. (1958) 583303  
FiskTidskr.Finl., 65:48-9  
 Pionten järvien laskomien ja kalastus  
 (Reducing the lake level and its  
 influence on fishery)

Contents as per title.

FAO:tl

F

Bailey, J. (1958) 583306  
Montana Wildl., January 13-5  
 Your dollar's worth of fishing

Discusses comparative survival rates of  
 wild trout & hatchery-reared rainbow  
 planted in streams.

WAD:tjj

F

<p>Melnikov, G.B. &amp; I.P. 583307  Lubyantsev (1958)  <u>Zool.Zh.</u>, 37:820-31  Formirovanie zooplanktona i donnoi fauny Simferopolskogo vodokhranilishcha v Krymu (Formation of zooplankton and benthic fauna of Simferopol water reservoir in the Crimea). En</p> <p>Quantitative &amp; qualitative plankton &amp; benthos study during first 2 years of the existence of the water reservoir.</p> <p>FAO:tl F</p>	<p>Miloslavskaya, N.M. (1958) 583310  <u>Zool.Zh.</u>, 37:939-42  Novye teplovodnye molljuzki v faune Vostochnogo Murmana (New warm water molluscs in the fauna of eastern Murman). En</p> <p>Describes distribution of <u>Propeamussium</u> (<u>Palliolium</u>) <u>vitreum</u> &amp; <u>Venus</u> (<u>Timoclea</u>) <u>ovata</u> &amp; discusses the penetration of warm water molluscs in the Arctic in connection with warming of these areas.</p> <p>FAO:tl M</p>
<p>Jaschnov, W.A. (1958) 583308  <u>Zool.Zh.</u>, 37:838-44  Proiskhozhdenie vidov <u>Calanus finmarchicus</u> S.L. (Origin of the species <u>Calanus finmarchicus</u> S.L.). En</p> <p>Discussion on the occurrence &amp; development of <u>Calanus finmarchicus</u>, <u>C. helgolandicus</u>, <u>C. pacificus</u> &amp; <u>C. glacialis</u> from Pliocene to present time.</p> <p>FAO:tl M</p>	<p>Voronina, N.M. (1958) 583311  <u>Zool.Zh.</u>, 37:989-96  O kazhushchiksja kolebaniyakh kolichestva zooplanktona v tochenie sutok (On apparent daily fluctuations of the amount of plankton). En</p> <p>Discusses the causes of fluctuation in the amount of plankton at a station during 24 hours, based on materials collected in Ripinsk reservoir, &amp; literature.</p> <p>FAO:tl F</p>
<p>Bukhirev, A.I. &amp; E.A. 583309  Ussoltsev (1958)  <u>Zool.Zh.</u>, 37:884-98  K istorii ikhtiofauny basseina roki Kamy (On the history of ichthyofauna in the basin of the Kama). En</p> <p>Identification, age &amp; size determination of fish bones &amp; scales archeologically collected from 1000 - 1700 A.D.</p> <p>FAO:tl F</p>	<p>Birman, I.B. (1958) 583312  <u>Zool.Zh.</u>, 37:1058-62  O rasprostraneniі nekotorykh pelagicheskikh ryb v severnoi chasti Tikhogo okeana (On the distribution of some pelagic fishes in the northern part of the Pacific). En</p> <p>Distribution of: <u>Engraulis japonicus</u>, <u>Pneumatophorus</u> sp., <u>Cololabis saira</u> &amp; <u>Brama japonica</u>.</p> <p>FAO:tl M</p>

Bugai, K.S. (1958) 583313  
Zool.Zh., 37:1063-75  
 O razmnzhenii dneprovskoi chekhoni v svjazi s zaregulirovaniem stoka Nizhnogo Dnepra (On the reproduction of the Dnieper herring-carp (Pelecus cultratus) in connection with the regulation of the lower Dnieper flow). En

Description of spawning grounds & their environmental conditions & the influence of the regulation of river flow on the conditions for spawning.

FAO:tl

F

Colman, J.S. (1958) 583316  
Rep.Mar.biol.Sta.Pt Erin, (70):30 p.  
 Annual report for 1957

Director's report on staff, buildings, equipment, boats & gear; work done (fish & fisheries, invertebrates & plankton, botany, hydrography); programme for 1958; meetings attended by staff, visiting research workers; student classes held; hatchery & aquarium; publications. Incl. papers by A.B. Bowers, D.I. Williamson & D.J. Slinn (583317, 583318, 583319 & 583320).

FAO:sjh

M

Kleinenberg, S.L. & A.V. Yablokov (1958) 583314  
Zool.Zh., 37:1091-9  
 O morfologii verkhnikh dykhatelnykh putei kitoobraznykh (On the morphology of the upper part of respiratory tract in cetacea). En

Comparative description of morphology of supracranial nasal canals, larynx & pharynx, of Odontoceti & Mystacoceti (suborders of cetacea).

FAO:tl

M

Bowers, A.B. (1958) 583317  
Rep.Mar.biol.Sta.Pt Erin, (70):17-20  
 Age and size of Manx herring in 1957

Composition of market samples from drift- & ring- net catches of Clupea harengus in the Irish Sea.

FAO:sjh

M

Livanov, N.A. (1958) 583315  
Zool.Zh., 37:1106-7  
 Pelagicheskie nemertiny Dalnovostochnykh Morei SSSR (Pelagic nemertins of the far eastern seas of the USSR)

Review of the original book by V.S. Korotkevich, 1955, Zool.Inst.Acad.Nauk, SSSR, 58:131 p.

FAO:tl

M

Williamson, D.I. (1958) 583318  
Rep.Mar.biol.Sta.Pt Erin, (70):21-2  
Amphiascus scotti, a new name for a harpacticoid copepod (Crustacea)

To avoid homonymy with Stenhelina similis Scott. Also Amphiascus reflexus for Stenhelina reflexa.

FAO:sjh

M

Slinn, D.J. (1958) 583319  
Rep.Mar.biol.Sta.Pt Erin, (70):23-6  
Mytilus epizootic upon Lernaeocera

A record of M. edulis on L. branchialis from a female Gadus callarias from Trainee Bank, Irish Sea, 25/4/57. Ill. description & discussion of evidence this gives for the age of the parasite.

FAO:sjh

M

Templeman, W. & A.M. 583322  
Fleming (1958)  
J.Fish.Res.Bd Can., 15:517-27

Round haddock landings in Newfoundland: quantity and quality relative to gutted haddock

Determination of trimethylamine values of fillets from round & gutted fish having regard for the fact that when large haddock became scarce in the area fish of less than 45 cm length, which previously had been unacceptable, were landed, & in round condition in contrast with the previous practice of gutting.

GLK:glk

M

Slinn, D.J. (1958) 583320  
Rep.Mar.biol.Sta.Pt Erin, (70):27-30  
Phosphate and oxygen in sea-water off Port Erin during 1957

Hydrographic data for Irish Sea presented graphically & significance discussed.

FAO:sjh

M

Chew, K.K. & R. Eisler (1958) 583323  
J.Fish.Res.Bd Can., 15:529-35

A preliminary study of the feeding habits of the Japanese oyster drill, Ocenebra japonica

Study of preference displayed between organisms offered (Mytilus edulis, Venerupis japonica, Crassostrea gigas, & Ostrea lurida). Time taken to drill the shells & to finish feeding was measured.

GLK:glk

M

Scott, D.M. & H.D. Fisher (1958) 583321  
J.Fish.Res.Bd Can., 15:495-516

Incidence of the ascarid Porrocaecum decipiens in the stomachs of three species of seals along the Southern Canadian Atlantic Mainland

Considering ascarid infection of Phoca vitulina, P. groenlandica & Halichoerus grypus from the viewpoint of their role as vectors of this parasite of cod, the distribution & abundance of the seals is described & the intensity of infection observed is reported.

GLK:glk

M

Beak, T.W. (1958) 583324  
J.Fish.Res.Bd Can., 15:559-72

Toleration of fish to toxic pollution

Review of results of research since 1953 with regard to: 1) relation between toxic concentration & survival time; 2) effects of factors other than toxic concentration on survival time; 3) toleration of the toxic condition (as distinct from mere survival).

GLK:glk

MF

Black, M.C. (1958) 583325  
J.Fish.Res.Bd Can., 15:573-86  
Hyperactivity as a lethal factor in fish

Review of results of research on hyperactivity as a factor lethal to fishes; discussion of theories regarding the cause of death under these circumstances & of the significance of this phenomenon for the study of the biology of fish & for fisheries management.

GLK:glk

MF

Bell, F.H. & A.T. Pruter (1958) 583328  
J.Fish.Res.Bd Can., 15:625-83

Climatic temperature changes and commercial yields of some marine fisheries

The factual bases of & logical deductions as to the relations between climatic temperature changes & variations in the yields from fish stocks are discussed in general terms & then with regard to a number of northern hemisphere fisheries.

GLK glk

M

Brett, J.R., M. Hollands & D.F. Alderdice (1958) 583326  
J.Fish.Res.Bd Can., 15:587-605

The effect of temperature on the cruising speed of young sockeye and coho salmon

The cruising speeds of underyearling sockeye & coho salmon were determined in a rotating annular trough, for acclimation temperatures ranging from 1° to 24°C. The significance of the relative swimming capacities of the 2 spp., & the effect of temperature, is discussed in relation to their ecology.

GLK:glk

MF

Lindahl, P.B. & A. Marcström (1958) 583329  
J.Fish.Res.Bd Can., 15:685-94

On the preference of roaches (Leuciscus rutilus) for trinitrophenol, studied with the fluvium technique

Description of test apparatus named 'fluvium' & report of reaction of the fish to various concentrations of the substance, having regard for age & length.

GLK:glk

F

Ferguson, R.G. (1958) 583327  
J.Fish.Res.Bd Can., 15:607-24

The preferred temperature of fish and their midsummer distribution in temperate lakes and streams

Laboratory studies of preferred temperature with Perca flavescens are compared with results from 21 other spp. The laboratory results are compared with data obtained from field observations.

GLK:glk

F

Palohoimo, J.E. (1958) 583330  
J.Fish.Res.Bd Can., 15:749-58

A method of estimating natural and fishing mortalities

Description of the method which requires data on numbers caught by age-classes & on effective effort for a series of years; data on the lake Opoongo trout fishery are used for example; the method is compared with Fry's 'virtual' population size estimates.

GLK:glk

MF

Fischer, W. (1958) 583331  
Bol.inform.Dep.Fom.Pesca Caza, (55):9  
El problema del desarrollo de la  
merluza (The problem of the  
development of the Chilean silver hake)

Account of investigations on ova &  
larvae of Merluccius gayi (Chilean sp.);  
spawning period & distribution of eggs  
off Valparaiso.

: cm

M

MacKenzie, W.C. (1958) 583334  
Tech. Meeting on Costs & Earnings of  
Fishing Enterprises, 8-13 Sept. 1958  
London, Paper 1, 15 p.  
Purposes of cost-and-earnings studies in  
fisheries: the Government's point of view

Special reference to Pacific salmon &  
to dragger & long-liver costs, Atlantic  
& Pacific fisheries.

SJH:sjh

MF

FAO. Fisheries Division (1958) 583332  
FAO/58/2/1435 (mimeo), 5 p.  
Provisional agenda for a technical  
meeting on costs and earnings of  
fishing enterprises (London, 8-13  
Septombor, 1958)

Contents as per title.

Kahn, R. (1958) 583335  
Tech.Meeting on Costs & Earnings of  
Fishing Enterprises, 8-13 Sept. 1958,  
London, Paper 2, 25 p.  
The need and value of costs and earnings  
studies in the fishing industry as basis  
of Government action in the United States

Contents as per title.

SJH:sjh

MF

SJH:sjh

M

FAO. Fisheries Division (1958) 583333  
FAO/58/2/1292 (mimeo), 3 p.  
Prospectus for a technical meeting on  
costs and earnings on fishing  
enterprises (London, 8-13 September  
1958)

SJH:sjh

MF

Meseck, (1958) 583336  
Tech.Meeting on Costs & Earnings of  
Fishing Enterprises, 8-13 Sept. 1958,  
London, Paper 3, 7 p.  
Costs and earnings in the West Germany  
deep sea fishery

Special reference to herring & ground  
fish trawling, N.E. Atlantic.

SJH:sjh

M

Stolting, W.H. & A.T. 583337  
Murray (1958)  
Tech.Meeting on Costs & Earnings of  
Fishing Enterprises, 8-13 Sept. 1958,  
London, Paper 4, 16 p.  
Research on commercial fishing industry  
costs and earnings in the United States  
  
Special reference to shrimping & ground  
fish trawling, N. & S. Atlantic &  
Pacific.

SJH:sjh

M

U.K. Ministry of Agriculture, 583340  
Fisheries & Food, & Scottish  
Home Department (1958)  
Tech.Meeting on Costs & Earnings of  
Fishing Enterprises, 8-13 Sept. 1958,  
London, Paper 7, 17 p.  
The point of view of Governments and  
other public authorities

Incl. samples of data collection forms.

SJH:sjh

M

Hildebrandt, A.G.U. (1958) 583338  
Tech.Meeting on Costs & Earnings of  
Fishing Enterprises, 8-13 Sept. 1958,  
London, Paper 5, 24 p.  
Costs and earnings in fisheries in the  
Netherlands

Special reference to NE Atlantic.

SJH:sjh

M

Noetzel, B. (1958) 583341  
Tech.Meeting on Costs & Earnings of  
Fishing Enterprises, 8-13 Sept. 1958,  
London, Paper 8, 23 p.  
Analysis of costs and earnings in  
Polish fisheries

Special reference to North & Baltic  
Seas.

SJH:sjh

M

Laszczyński, S. (1958) 583339  
Tech.Meeting on Costs & Earnings of  
Fishing Enterprises, 8-13 Sept. 1958,  
London, Paper 6, 27 p.  
Fundamental activities of the state in  
Polish fisheries

Special reference to Baltic & North  
Seas.

SJH:sjh

MF

U.K. Herring Industry 583342  
Board (1958)  
Tech.Meeting on Costs & Earnings of  
Fishing Enterprises, 8-13 Sept. 1958,  
London, Paper 9, 7 p.  
The collection of data related to the  
costs and earnings of British herring  
catches

Contents as per title.

SJH:sjh

M

U.K. Ministry of Agriculture, 583343  
 Fisheries & Food, & Scottish  
 Home Department (1958)  
Tech.Meeting on Costs & Earnings of  
Fishing Enterprises, 8-13 Sept. 1958,  
London, Paper 10, 9 p.  
 Concepts, definitions and conventions  
 in present enquiries

Contents as per title.

SJH:sjh

M

Canada. United Fishermen & Allied 583346  
 Workers' Union of B.C. (1958)  
Tech.Meeting on Costs & Earnings of  
Fishing Enterprises, 8-13 Sept. 1958,  
London, Paper 13, 19 p.  
 Statistical information required by  
 commercial fishermen of British  
 Columbia on costs and earnings of  
 fishermen and fishing enterprises

Reference to Pacific salmon fisheries.

SJH:sjh

MF

Osterbind, C.C. (1958) 583344  
Tech.Meeting on Costs & Earnings of  
Fishing Enterprises, 8-13 Sept. 1958,  
London, Paper 11, 13 p.  
 Concepts, definitions and conventions  
 in costs and earnings studies of the  
 fisheries industry

Special reference to a Florida survey.

SJH:sjh

M

Holliman, E.S. & A.E. 583347  
 Ovenden (1958)  
Tech.Meeting on Costs & Earnings of  
Fishing Enterprises, 8-13 Sept. 1958,  
London, Paper 14, 13 p.  
 Concepts, definitions and conventions

Special reference to gadoid & pleuro-  
 nectid fisheries in NE Atlantic.

SJH:sjh

M

Proskie, J. (1958) 583345  
Tech.Meeting on Costs & Earnings of  
Fishing Enterprises, 8-13 Sept. 1958,  
London, Paper 12, 27 p.  
 Costs and earnings of fishing enterprises  
 in Canada - Concepts, definitions and  
 conventions

Contents as per title.

SJH:sjh

MF

Onda, M. (1958) 583348  
Tech.Meeting on Costs & Earnings of  
Fishing Enterprises, 8-13 Sept. 1958,  
London, Paper 15, 27 p.  
 Method and enforcement of costs and  
 earnings of fisheries industry in Japan  
 Gives details of methods of collecting  
 economic information, & tables of  
 statistics.

SJH:sjh

MF

Holliman, E.S. & A.E. 583349  
Ovenden (1958)  
Tech.Meeting on Costs & Earnings of  
Fishing Enterprises, 8-13 Sept. 1958,  
London, Paper 16, 4 p.  
Merits of different kinds of  
investigational methods

The case study approach adopted by the  
UK White Fish Authority; its practical  
difficulties with respect to inshore  
fishermen.

SJH:sjh

M

Hildebrandt, A.G.U. (1958) 583352  
Tech.Meeting on Costs & Earnings of  
Fishing Enterprises, 8-13 Sept. 1958,  
London, Paper 19, 20 p.  
Statistical analysis of costs and  
earnings in the fishing industry

Special reference to results of study  
of Dutch N. Sea fisheries with trawls &  
drift-nets.

SJH:sjh

M

Holliman, E.S. & A.E. 583350  
Ovenden (1958)  
Tech.Meeting on Costs & Earnings of  
Fishing Enterprises, 8-13 Sept. 1958,  
London, Paper 17, 10 p.  
Methods of analysis of collected  
accounts

The case study method of the U.K. White  
Fish Authority.

SJH:sjh

M

Zellner, A. (1958) 583353  
Tech.Meeting on Costs & Earnings of  
Fishing Enterprises, 8-13 Sept. 1958,  
London, Paper 20, 11 p.  
Statistical techniques for the analysis  
of cost and earnings data

Use of analysis of variance & multiple  
regression analysis; simple mathematical  
models involving solution of  
simultaneous polynomials.

SJH:sjh

MF

Michielsen, K.O.H. (1958) 583351  
Tech.Meeting on Costs & Earnings of  
Fishing Enterprises, 8-13 Sept. 1958,  
London, Paper 18, 7 p.  
Interpretation of detailed statistics  
  
Relation of earnings to size of trawler.

SJH:sjh

M

Beverton, R.J.H. (1958) 583354  
Tech.Meeting on Costs & Earnings of  
Fishing Enterprises, 8-13 Sept. 1958,  
London, Paper 21, 18 p.  
Types of fishery regulation and some  
economic implications

A general review of recent biological  
results & their implication to national  
fisheries management.

SJH:sjh

MF

Sorensen, S.N. (1958) 583355  
Tech.Meeting on Costs & Earning of  
Fishing Enterprises, 8-13 Sept. 1958,  
London, Paper 22, 22 p.

Costs and earnings studies in fisheries  
in Denmark - Concepts, definitions and  
general conclusions

Previous studies carried out within the  
Danish Fishing Industry; presentation  
of definitions, concepts, etc.; methods  
for procuring the necessary basic  
material; drawing up of a questionnaire;  
technical treatment of the material;  
the result of the studies; conclusion:  
experience gained during the work  
hitherto carried out, & considerations

regarding future studies.

SJH:sjh

M

Sekino, Y., J. Takeuchi & 583357  
K. Inoue (1957)  
J.Tokyo Univ.Fish., 43:183-97  
Investigation on the source and area  
of contamination in Tokyo Bay

Bacteriological survey at the source &  
in the area of contamination;  
contamination of the shell fish;  
formation of purple lavers.

FAO:glk

MF

Yoshihara, T. (1957) 583358  
J.Tokyo Univ.Fish., 43:207-48  
Population studies on the Japanese  
ivory shell, *Babylonia japonica* (Reeve)

Description of the environment in  
Uchiura Bay; methods of capture,  
measurement & tagging, the variability  
of the catches per basket & the  
mechanism of trapping; spawning growth  
& survival rate of natural increase &  
estimate of population size.

FAO:glk

M

Kubo, I. & E. Asada (1957) 583359  
J.Tokyo Univ.Fish., 43:249-89  
A quantitative study on crustacean  
bottom epifauna of Tokyo Bay

Sampling stations are listed & bottom  
characteristics indicated; spp. are  
listed & the faunistic correspondence  
of areas examined; numbers & weight per  
unit area, & the order of abundance &  
distribution of important spp.

FAO:glk

MF

Kawamura, T. & M. Anraku (1957) 583360  
Bull.Fac.Fish.Hokkaido, 8:87-95  
Limnological reconnaissance of lake  
Nukabira, a reservoir in Hokkaido

Physiographic features of the lake,  
physical & chemical properties of its  
waters, plankton composition,  
distribution & volume.

FAO:glk

F

<p>Hirata, H. (1957) 583361  <u>Bull.Fac.Fish.Hokkaido</u>, 8:96-107  Diurnal rhythm of the feeding activity of goldfish in winter and early spring</p> <p>Correlation between feeding activity &amp; environmental factors (water &amp; air temperature, duration of sunshine, atmospheric pressure, cloud cover &amp; wind speed &amp; direction); initiation of feeding activity in early spring.</p> <p>FAO:glk F</p>	<p>Fuji, A. (1957) 583364  <u>Bull.Fac.Fish.Hokkaido</u>, 8:178-84  Growth and breeding season of the brackish-water bivalve, <u>Corbicula japonica</u>, in Zyusan-Gata inlet</p> <p>Monthly distributions of shell-height frequency were analysed, using probability paper.</p> <p>FAO glk MF</p>
<p>Kubo, S. (1957) 583362  <u>Bull.Fac.Fish.Hokkaido</u>, 8:147-57  On fish tropomyosin. I. Isolation and amino acid composition</p> <p>Contents as per title.</p> <p>FAO:glk M</p>	<p>Yabu, H. (1957) 583365  <u>Bull.Fac.Fish.Hokkaido</u>, 8:185-9  (Nuclear division in the sporangium of <u>Alaria crassifolia</u> Kjellm). <u>Ni</u> <u>En</u></p> <p>Cytological description.</p> <p>FAO glk M</p>
<p>Fuji, A. (1957) 583363  <u>Bull.Fac.Fish.Hokkaido</u>, 8:163-77  Changes in tissue chloride and physiological activity of the brackish-water bivalve, <u>Corbicula japonica</u>, in response to variations in salinity</p> <p>Field observations on the chloride content of bottom water, interstitial water &amp; clam tissues; change in tissue chloride in response to varying salinities; relation between chloride concentrations of experimental media &amp; physiological activity of clams immersed therein.</p> <p>FAO:glk MF</p>	<p>Kyushin, K. (1957) 583366  <u>Bull.Fac.Fish.Hokkaido</u>, 8:190-4  (On the growth of 'Hokke', <u>Pleurogrammus azonus</u> Jordan et Motz, considered on the basis of length distribution). <u>Ni</u> <u>En</u></p> <p>Analysis, on the basis of seasonal change in mode of length frequency distribution, of growth in Hokkaido waters compared with data from other areas.</p> <p>FAO:glk M</p>

Kubo, S. (1957) 583367  
Bull.Fac.Fish.Hokkaido, 8:214-9  
On fish tropomyosin. II. Terminal  
residue in tropomyosin

Assay of N-terminal residue by Sanger's  
DNFB (dinitrofluorobenzene) method &  
of C-terminal residue by the standard  
method of Akabori & Ohno.

FAO:glk

MF

Ishihara, Y. (1957) 583370  
Bull.Fac.Fish.Hokkaido, 8:233-7  
(Studies on crystalline whale pepsin. V.  
Relation between denaturation and  
activity). Ni En

Effect of urea or guanadine on the  
activity of whale pepsin & the digestion  
of denaturated proteins with whale  
pepsin.

FAO:glk

M

Saito, T. & al. (1957) 583368  
Bull.Fac.Fish.Hokkaido, 8:220-3  
(Studies on crystalline whale pepsin.  
III Analysis of amino acid by paper  
chromatography). Ni En

Amino acids constituent of whale  
pepsin.

FAO:glk

M

Itô, Y. (1957) 583371  
Bull.Fac.Fish.Hokkaido, 8:238-41  
(Studies on crystalline whale insulin. III.  
N- and C-terminal residues). Ni En

The dinitrofluorobenzene & the  
hydrazine method have been applied to the  
identification & quantitative  
determination of N- & C-terminal  
residues of whale insulin respectively.

FAO:glk

M

Saito, T., Y. Ishihara & 583369  
Y. Ito (1957)  
Bull.Fac.Fish.Hokkaido, 8:224-32  
Studies on crystalline whale pepsin.  
IV. Free amino acids in peptic digests  
of various proteins

Various proteins were hydrolyzed with  
whale & swine pepsin & the amino acids  
liberated were examined by paper  
chromatography.

FAO:glk

M

Karohji, K. (1958) 583372  
Bull.Fac.Fish.Hokkaido, 8:243-52  
Report from the OSHORO MARU on  
oceanographic and biological  
investigations in the Bering sea and  
Northern North Pacific in the summer of  
1955. IV. Diatom standing crops and the  
major constituents of the populations as  
observed by net sampling

Density & composition of populations of  
various areas.

FAO:glk

M

Minoda, T. (1958) 583373  
Bull.Fac.Fish.Hokkaido, 8:253-63  
Report from the OSHORO MARU on  
oceanographic and biological invest-  
igations in the Bering sea and northern  
North Pacific in the summer of 1955. V.  
Observations on copepod community

Copepod spp. identified; characteristic  
distribution of representative spp.

FAO:glk

M

Yabu, H. (1958) 583376  
Bull.Fac.Fish.Hokkaido, 8:278-89  
(On the development of carposporo-  
germlings of Grateloupia turuturu  
Yamada). Ni En

Description of development.

FAO:glk

M

Yûki, R. (1958) 583374  
Bull.Fac.Fish.Hokkaido, 8:264-9  
Blood cell constituents in fish. II.  
Peroxidase staining of the leucocytes  
in the kidney and some other organs

Study chiefly of Salmo irideus but also  
of other freshwater forms & of some  
marine forms. Location of occurrence of  
these cells.

FAO:glk

MF

Yabu, H. (1958) 583377  
Bull.Fac.Fish.Hokkaido, 8:290-6  
(On the nuclear division in tetra-  
sporangia of Dictyopteris divaricata  
(Okamura) Okamura and Dictyota dicto-  
toma Lamour). Ni En

Description of the division, &  
chromosome count.

FAO:glk

M

Yamamoto, K. (1958) 583375  
Bull.Fac.Fish.Hokkaido, 8:270-6  
Studies on the formation of fish eggs.  
XII. On the non-massed yolk in the egg  
of the herring, Clupea pallasii

Description of the formation of non-  
massed yolk globules & of the chemical  
nature of lipids present in the yolk  
globules.

FAO glk

M

Kobayashi, K. (1958) 583378  
Bull.Fac.Fish.Hokkaido, 8:297-303  
(Larvae and youngs of the atka mackerel,  
Pleuronectes monoptygius (Pallas),  
in the North Pacific). Ni En

Description of body characteristics.

FAO:glk

M

Kubo, T. (1958) 583379  
Bull.Fac.Fish.Hokkaido, 8:304-9  
(A note on the age and race of the red salmon in the North Pacific ocean).  
Ni - En

Description of age composition & average weight & length, & discussion of the origin of the salmon caught in the Aleutian area.

FAO:glk

MF

Anonymous (1958) 583382  
Research, London, 11:360  
Design of small harbours

Comment on question & answer in U.K. Parliament concerning application of findings of Hydraulic Research Station from study scouring & silting of three small fishing harbours.

FAO:sjh

M

Igarashi, H. & Y. Hosoya (1958) 583380  
Bull.Fac.Fish.Hokkaido, 8:314-8  
(Studies on chromoproteins of red algae. I. Preparation and light absorption of phycoerythrin and phycocyanin).  
Ni En

After removal of impurity from pigment extraction by alumina absorption, phycoerythrin & phycocyanin were separated from several red algae by fractional precipitation with ammonium sulfate & by the difference of solubility in water. Light absorption in the visible spectrum was measured; some difference between them was observable.

FAO:glk

M

Shearer, W.M. (1958) 583383  
Salm.Trout Mag., (154):164-8  
Very small Atlantic salmon

An attempt (according to the author) to summarize all known records of small salmon, small grilse & pre-grilse (Salmo salar).

FAO:wad

MF

Jhingran, V.G. (1958) 583381  
Curr.Sci., 27:181-2  
Observations on the seaward migration of Mugil cephalus Linnaeus from the Chilka lake for breeding

An advance note of evidence from maturing fish migrating to sea through outer channel & lake mouth, & the presence of ripe & spent fish & of fry in the sea.

FAO:tjj

MF

Went, A.E.J. (1958) 583384  
Salm.Trout Mag., (154):194-201  
Historical notes on some ancient fishing engines in Ireland. I.

Notes on 'obb', 'flood' or 'head' weirs formerly used in tidal waters of rivers in the south of Ireland.

FAO:wad

MF

Anonymous (1958) 583385  
Vida rural en Mexico, (5):57  
Especies piscicolas Mexicanas  
 (Species for fish culture in Mexico)

The carp race imported, known locally as 'selected carp from Israel' (Crucian carp) was chosen because of its adaptability to waters of different temperatures, prolific reproduction, rapid growth & simple management.

:cm

F

Tanaka, K. (1958) 583388  
Bull.Jap.Soc.sci.Fish., 23:604-7  
 (Studies on the attaching mechanism of carpospore of Porphyræ tenora and the spore collecting method). Ni En

Setting of oyster shells to study the attaching mechanism of the carpospore & to find a more favorable spore-collecting method.

SJH:glk

MF

Arasaki, S., K. Nozawa & M. Miyako (1958) 583386  
Bull.Jap.Soc.sci.Fish., 23:593-8  
 (On the pathogenetic water mold. II.).  
 Ni En

Experimental determination of the effect of various chemicals on the development of a pathogenic Saprolegnia parasitised on carp eggs or carp fry; time needed to kill S. parasitica in various concentrations of malachite green.

SJH:glk

F

Honda, K. (1958) 583389  
Bull.Jap.Soc.sci.Fish., 23:608-11  
 (A model experiment for trawl nets).  
 Ni En

Behaviour of 2 trawls compared in model scale, in one case both nets remaining stationary on the bottom & a current applied, in the other both nets dragged through still water; deformation of the nets & water resistance under varying speeds of current or dragging.

SJH:glk

M

Arasaki, S. & K. Nozawa (1958) 583387  
Bull.Jap.Soc.sci.Fish., 23:599-603  
 (On the algicide Delrad 70). Ni En

Test of the efficiency of this algicide against Chlorella, Scenedesmus, Oodogonium, Microcystis, Oscillatoria & Hydrilla, by measurement of rate of photosynthesis, or by macroscopic observation of change of color & sedimentation of the algal cells.

SJH:glk

F

Honda, K. & A. Koike (1958) 583390  
Bull.Jap.Soc.sci.Fish., 23:612-6  
 (The study on the colour of fishing net. I. Observations on the passage of fishes through a coloured net).  
 Ni En

Behaviour of schools of Trachurus trachurus Linné, Atherion clymus J. & S., & Cyprinus carpio Linné with regard to nets of different colour, examined with regard to colour intensity & wave length of light reflected by the nets & to light source.

SJH:glk

MF

Kanda, K., A. Koike & M. Ogura (1958) 583391  
Bull.Jap.Soc.sci.Fish., 23:617-20  
(The study on the colour of fishing net.  
II. Behaviours of fish schools in the  
neighbourhood of a coloured net).  
Ni En

Behaviour of Salmo gairdnerii irideus  
Gibbons when confronted with pieces of  
netting, joined in pairs, each of  
different colour.

SJH:glk

MF

Kanda, K. & A. Koike (1958) 583394  
Bull.Jap.Soc.sci.Fish., 23:680-3  
(The study on the colour of fishing net.  
IV. A change in illumination affecting  
the behaviour of a fish school near a  
coloured net). Ni En

Observations on the reaction of schools  
of Salmo gairdnerii irideus Gibbons to  
nets of various colours, of various  
intensities, under varying conditions  
of natural illumination.

SJH:glk

F

Inoue, M. (1958) 583392  
Bull.Jap.Soc.sci.Fish., 23:673-9  
(Studies on movements of albacore  
fishing grounds in the Northwest Pacific  
Ocean. I. Adaptability of water  
temperatures for albacores in the winter  
season from observations of records on  
catches and optimum water temperatures  
by fishing boats). Ni En

Analysis of fishing reports for the  
period 1951-56 between the latitudes  
25°N & 40°N, & longitudes 130°E & 180°E,  
with data on water temperature, to  
examine relation between albacore  
distribution & water temperature.  
SJH:glk M

Saaki, A. (1958) 583395  
Bull.Jap.Soc.sci.Fish., 23:684-95  
(Studies on fish culture in the  
aquarium of closed-circulating system.  
Its fundamental theory and standard plan).  
Ni En

Description of the apparatus & report of  
investigations of nitrogen & phosphorus  
cycles in the aquarium with regard to  
the secretion of metabolites & their  
decomposition, from which capacity of  
the apparatus is determined.

SJH:glk

MF

Kanda, K., A. Koike & M. Ogura (1958) 583393  
Bull.Jap.Soc.sci.Fish., 23:621-4  
(The study on the colour of fishing net.  
III. Effect of the depth of colour of a  
net on the behaviour of a fish school  
near the net). Ni En

Behaviour of Salmo gairdnerii irideus  
Gibbons with regard to nets of different  
colours & colour depths, examined in  
respect to wave length & intensity of  
light reflected by net.

SJH:cfa

F

Migita, M. & J.J.Matsumoto (1958) 583396  
Bull.Jap.Soc.sci.Fish., 23:704-9  
On the nature of the streaming bire-  
fringence observed in the aqueous  
extracts of squid muscle - II.  
Dissolution of 'myosins' in the aqueous  
extract

Streaming birefringence & solubility  
behaviour of 'myosins' prepared from  
squid muscle, & of a translucent pasty  
layer separated from aqueous extraction  
residues, were compared with those of  
aqueous extracts of squid muscle.

SJH:glk

M

Horiguchi, Y. (1958) 583397  
Bull.Jap.Soc.sci.Fish., 23:710-5  
 (Biochemical studies on Pteria (Pinctada)  
martensi (Dunker) and Hyriopsis  
schlegeli (Martens) - IV. Absorption  
 and transference of <sup>45</sup>Ca in Hyriopsis  
schlegeli (Martens) ). Ni En

Determination of the site of Ca  
 absorption, the paths of its transference  
 & the points of accumulation, using  
<sup>45</sup>Ca.

SJH:glk

M

Shirai, K. (1958) 583400  
Bull.Jap.Soc.sci.Fish., 23:735-7  
 (Studies of the radioactive materials in  
 the radiologically contaminated fishes.  
 VI. Column chromatography of the radio-  
 elements in the pyrolic caeca of a big-  
 eye tuna, Parathunnus mobachi, with an  
 ion exchange resin). Ni En

Detection of certain nuclides &  
 confirmation of the presence of others  
 in various fractions obtained.

SJH:glk

M

Shirai, K. (1958) 583398  
Bull.Jap.Soc.sci.Fish., 23:723-8  
 (Studies of the radioactive materials  
 in the radiologically contaminated  
 fishes. IV. Group separation analysis  
 of the radioelements in a contaminated  
 big-eye tuna, Parathunnus mobachi).  
Ni En

Data on the contaminated specimen & on  
 the radioactivity of its tissues &  
 organs.

SJH:glk

M

Kawai, K. (1958) 583401  
Bull.Jap.Soc.sci.Fish., 23:738-42  
 (On the terminal oxidase system in  
 marine lamellibranch tissues). Ni En

Examination of the effects of inhibitors  
 on the endogenous respiration of various  
 tissues of the oyster, pearl oyster &  
 mussel, & identification of the cyto-  
 chromes in the tissues.

SJH:glk

M

Saiki, M. (1958) 583399  
Bull.Jap.Soc.sci.Fish., 23:729-34  
 (Studies on the radioactive materials  
 in the radiologically contaminated  
 fishes. V. Column chromatography of the  
 radioelements in the liver of a big-eye  
 tuna, Parathunnus mobachi, with an iono-  
 exchange resin). Ni En

Confirmation of certain previously found  
 nuclides & demonstration of the presence  
 of certain others.

SJH:glk

M

Inoue, M. & K. Watanabe (1958) 583402  
Bull.Jap.Soc.sci.Fish., 23:745-8  
 (The fishing power of saury blanket net  
 (Bōuko-Ami) fishery): Ni En

Consideration of tonnago, horse power,  
 net dimensions, characteristics of  
 attraction lamp, number of crew, number  
 of fishing days as determinants of  
 fishing power calculated by Tauchio's  
 method.

SJH:glk

M

Kobayasi, H. (1958) 583403  
Bull.Jap.Soc.sci.Fish., 23:749-53  
(Studies on the scales of scorpaenoid fishes - I. On the cycloid scales found in scorpaenicae). Ni En

Structural features & phylogenetic significance of their existence.

SJH:glk

M

Inaba, D., M. Nomura & M. Suyama (1958) 583406  
Bull.Jap.Soc.sci.Fish., 23:762-5  
(Studies on the improvement of artificial propagation in trout culture. II. On the pH values of eggs, milt, Coelomic fluid and others). Ni En

Influence of pH on sperm motility & fertilization.

SJH:glk

F

Kimura, M. (1958) 583404  
Bull.Jap.Soc.sci.Fish., 23:754-7  
Early development of the mud-skipper, Periophthalmus cantonensis (Osbeck)

Description of ovum, cleavage, embryo & hatching.

SJH:glk

MF

Kusaka, T. (1958) 583407  
Bull.Jap.Soc.sci.Fish., 23:766-9  
(Experiments to see the effect of colour and its depth on the driving net by the centralizing method). Ni En

Experiments with Carassius auratus, in a tank. The response of the fish to being driven by a frame consisting of netting except for the central part which had 3 glass tubes in which inks of various colours could be placed.

SJH:glk

F

Inaba, D., M. Nomura & K. Tominaga (1958) 583405  
Bull.Jap.Soc.sci.Fish., 23:758-61  
(Studies on the improvement of artificial propagation in trout culture. I. On the interference of the broken eggs and the effect of egg washing method). Ni En

Description of a method to remove the eggs broken during artificial extrusion, these having a detrimental effect on fertilization.

SJH:glk

F

Skopintsev, B.A. & al. (1958) 583408  
C.R.Acad.Sci.U.R.S.S., 119:121-4  
Solevoi sostav Chernogo moria (Salt composition of the Black Sea water)

Samples collected at 5 points of the entire depth at 43° N.L. Chlorinity estimated by the argentometric method; alkalinity by direct hydrochloric acid titration; sulphates by weight; Ca & Mg by a complex measuring method. Data on river inflow & water exchange with the sea of Marmara.

FAO:go

M

Iudanov, I.G. (1958) 583409  
C.R.Acad.Sci.U.R.S.S., 119:182-4  
 Rezultaty obsledovaniia nerestilishch  
 Atlantichesko-Skandinavskikh seldei v  
 1956 g. (Results of a survey of  
 spawning grounds of Atlantic-  
 Scandinavian herrings in 1956)

Study of pre-spawning approach of  
 shoals to spawning grounds, conditions  
 & nature of spawning, yield in larvae,  
 post-spawning migration of shoals.  
 Procedure, distribution & results of  
 sample collecting. Data on size &  
 quantity of larvae.

FAO:go

M

Gunko, A.F. (1958) 583412  
C.R.Acad.Sci.U.R.S.S., 119:372-4  
 Vliianie protochnosti vodokhranilishcha  
 na sostoianie donnoi fauny (na primere  
 Gorkovskogo vodokhranilishcha)  
 (Effect of the degree of profluence in  
 a water reservoir on the state of  
 benthid fauna (exemplified by the  
 Gorkii water reservoir) )

Study of the changes occurring in the  
 composition of benthos in the process  
 of filling a reservoir. Slackening of  
 the current & flooding of river basin  
 lead to gradual disappearance of rheo-  
 philous & the multiplication of

Neifakh, A.A. & N.N. Rott (1958) 583410  
C.R.Acad.Sci.U.R.S.S., 119:261-4  
 Issledovanie putei realizatsii radio-  
 tsionnykh povrezhdenii v rannem razvitii  
 ryb (Study of ways in which  
 radiation may cause injuries to fish at  
 early stages of development)

Experiments carried out on eggs of  
Misgurnus fossilis & Acipensor  
stellatus with high doses of radiation  
 at different stages of development.

FAO:go

MF

limnophilous benthid organisms. 583412  
 (Card 2)

FAO:go

F

Beliaeva, V.N. & G.L. 583411  
 Pokrovskaia (1958)  
C.R.Acad.Sci.U.R.S.S., 119:361-4  
 Narusheniia mitotza pri rentgenizatsii  
 rannikh stadii razvitiia ikry viuna  
 (Disturbance of mitosis caused by X-ray  
 radiations at early stages of groundling  
 spawn development)

Experimental radiation with different  
 doses at different stages of egg  
 development. Parallelism between  
 cytological & embryological data.

FAO:go

F

Dabagian, N.V. (1958) 583414  
C.R.Acad.Sci.U.R.S.S., 119:391-4  
 Rol mezonchimy v razvitii pigmentnogo  
 epitoliia glaz osotra (Function of  
 the mesenchyme in the development of  
 pigmented epithelium of sturgeon eyes)

Experiments carried out on sturgeon  
 embryos: transplantation of eye  
 rudiments from the vesicle into the  
 pericardium & trunk in one series of  
 tests & into the gill-tract & to the  
 somites in another series. Procedure,  
 results, conclusions.

FAO:go

MF

Sysoev, N.N., G.B. Udintsov & I.B. Andreeva (1958) 583415  
C.R.Acad.Sci.U.R.S.S., 119:575-8  
 Rezultaty seismo-akusticheskikh issledovaniy dna Iaponskogo moria (Results of seismic & acoustic studies of the floor of the sea of Japan)

Description of experimental methods & procedures. Registration by research ship of sound waves produced by charges exploded by auxiliary ship.

FAO:go M

Waldo, E. (1958) 583418  
Louisiana Conserv., 10(3):8-11, 22-3  
 The nutria story

A popular article on Myocastor coypus which discusses, in part, its stocking in farms & lakes to remove undesirable aquatic vegetation.

FAO:wad F

Monakov, A.V. (1958) 583416  
C.R.Acad.Sci.U.R.S.S., 119:613-6  
 Nekotorye dannye po biologii razvitiia i razmnozheniia Acanthocyclops viridis (Jur.) (Copepoda, cyclopoida)  
 (Certain data on the biology of development & reproduction of Acanthocyclops viridis Jur. (Copepoda, cyclopoida) )

Experiments with cyclops taken from the Rybinsk water reservoir. Effect of nourishment & temperature on their metamorphosis. Behaviour of adults & larvae. Inverse correlation between size & environmental temperature.

FAO:go F

Gunston, D. (1958) 583419  
Louisiana Conserv., 10(3):18-9  
 Can fish hoar?

A popular article on the subject.

FAO:wad MF

Food & Agriculture Organization of the United States (1958) 583417  
Rome, 222 p.  
 The state of food and agriculture 1958

Incl. brief mention of trade in fisheries products.

SJH:sjh MF

Teal, J.M. (1958) 583420  
Ecology, 39:185-93  
 Distribution of fiddler crabs in Georgia salt marshes

Ecological study of Uca minax, U. pugilator & U. pugnax.

FAO:sjh MF

Weiss, C.M. (1958) 583421

Ecology, 39:194-9

The determination of cholinesterase in the brain tissue of three species of fresh water fish and its inactivation in vivo

Determination & comparison of activity of tissue of Pimephales promelas, Lepomis cyanellus & Carassius auratus from hatcheries in Maryland & W. Virginia using acetylcholine as substrate.

FAO:sjh

F

Welker, W.I. & J. Welker (1958) 583424

Ecology, 39:283-8

Reaction of fish (Lucinostomus gula) to environmental changes

Studies of activities of 60 specimens from Bimini harbour area in a specially designed aquarium, & their reaction to an introduced object.

FAO:sjh

M

Davis, D.E. & J.J. Christian (1958) 583422

Ecology, 39:217-22

Population consequences of a sustained yield program for Norway rats

Controlled 'exploitation' of 3 natural populations revealed discrepancies from predictions of logistic curve theory & emphasised complexity of systems under observation & importance of age-structure of populations.

FAO:sjh

MF

Hasler, A.D. & W.J. Wisby (1958) 583425

Ecology, 39:289-93

The return of displaced largemouth bass and green sunfish to a 'homo' area

Study on homing of marked Lepomis cyanellus & Micropterus salmoides in ponds at Wisconsin University. A float was attached to fish so that details of movements could be followed.

FAO:sjh

F

Woodmansoo, R.A. (1958) 583423

Ecology, 39:247-62

The seasonal distribution of the zooplankton off Chicken Key in Biscayne Bay, Florida

Series of zooplankton samples, taken weekly from Nov. 1947 - Dec. 1948 at a single station. Results related to hydrographic factors. Relative changes in spp. abundance.

FAO:sjh

M

Parker, R.A. (1958) 583426

Ecology, 39:304-17

Some effects of thinning on a population of fishes

Study of condition & growth rate of largemouth bass, bluegill, pumpkinseed, rock bass, yellow perch, Catostomus commersonnii, Notemigonus crysoleucas & some hybrids, in Flora Lake, Wisconsin, before & after intensive experimental fishing operations.

FAO:sjh

F

Potter, L.F., D. Osterhoudt & 583427  
G.E. Baker (1958)  
Ecology, 39:363-4  
A collecting bottle for the microbiological sampling of water

Ill. description of new instrument &  
its mode of use. Tests in Montana lakes.

FAO:sjh

F

MF

Hartman, R.T. (1958) 583428  
Ecology, 39:374-6  
Studies of plankton centrifuge efficiency

Tests of Foerst Electrical Centrifuge  
on samples from Pymatuning Reservoir,  
Pennsylvania, by colorimetric  
observation of residual water after  
successive treatments.

FAO:sjh

MF

Macfadyen, A. (1957) 583430  
Sir Isaac Pitman & Sons, Ltd. London,  
264 p.  
Animal ecology: aims and methods

Hairston, N.G. (1958) 583431  
Ecology, 39:381-2  
A digestible animal ecology for adults  
  
Review of 583430.

FAO:sjh

MF

Dexter, R.W. (1958) 583429  
Ecology, 39:380  
Zoögeography of land and water

Review of original publication by  
de Beaufort, L.F., 1951, Sidgwick &  
Jackson, Ltd. London, 208 p.

FAO:sjh

MF

Callison, C.H. (Ed.) (1957) 583432  
The Ronald Press Co., New York, 211 p.  
America's natural resources

Incl. chapter by Hazzard, A.S. &  
W. Voigt, Jr. on fish resources.

:sjh

F

Hazzard, A.S. & W. Voigt, Jr. (1957) 583433  
In 'America's natural resources' by  
 Callison, C.H. (Ed.), The Ronald Press  
 Co., New York  
 Fish

Gayral, P. (1958) 583436  
C.R.Acad.Sci., Paris, 247:792-4  
Sur l'existence de tétrasporanges et la  
germination des spores chez la  
dictyotacée Spatoglossum solierii  
 (Chauv.) (On the existence of  
 tetrasporangia and on the germination of  
 spores in the dictotacean Spatoglossum  
solierii Chauv.)

Description of the tetrasporangia &  
 comparison of the spore germination of  
 this sp. with that of other spp.

F

FAO:glk

M

Mouriquand, G., V. Edel & 583434  
 R. Chighizola (1958) -  
C.R.Acad.Sci., Paris, 247:732-5  
Chocs V chronaxiques et physiques, et  
frontières léthales chez le Cyprin  
passant de l'eau douce dans l'eau salée  
 (Chronaxic & physical V stocks, & lethal  
 frontiers in Cyprinus passing from fresh  
 water into salt)

Experiments with Cyprinus carassius  
 transferred from freshwater aquarium  
 to salt baths & injected with  
 chlorhydrate of thiamino.

FAO:glk

MF

Fontaino, M. & J. Leloup (1958) 583437  
C.R.Acad.Sci., Paris, 247:767-70  
Sur l'existence d'une 'liaison' de l'ion  
iodure avec certaines protéines du  
plasma de saumon adulte (Salmo salar L.)  
 (On the existence of a relation between  
 iodine ion & certain proteins in the  
 plasma of adult salmon)

Salmon taken during anadromic migration.  
 Electrophoresis examination of the  
 binding of iodine with plasma protein &  
 discussion of the physiological  
 significance of this link, & of its  
 variations in the course of the  
 migration cycle.

FAO:glk

MF

Pérès, J.-M. (1958) 583435  
C.R.Acad.Sci., Paris, 247:757-9  
Deux plongées biologiques dans l'Océan  
Pacifique avec le bathyscaphe F.N.R.S.  
III (Two biological descents in the  
 Pacific Ocean with the bathyscaphe  
 F.N.R.S.III)

Descent to 1,000 m at 38°07'N,  
 142°16'E to 1,650 m at 37°55'N,  
 142°52'E observations on temperature,  
 currents, plankton, pelagic fish &  
 benthos.

FAO:glk

M

Plaxico, J.S. (1957) 583438  
J.Fm Econ., 39:86-93  
Allocation of resources in farm  
management and production economics  
research

A review of a problem common to  
 agricultural & fisheries research.

FAO:sjh

MF

<p>Mason, D.D. (1957) 583439  <u>J.Fm Econ.</u>, 39:370-81  Statistical problems of joint research</p> <p>A review of subject relevant to fisheries problems, involving team work of scientists of different disciplines.</p> <p>FAO:sjh MF</p>	<p>Hoady, E.O. &amp; J.A. 583442  Schnittker (1958)  <u>J.Fm Econ.</u>, 39:745-58  Application of input-output models to agriculture</p> <p>A summary of this subject; describing methods applicable to fisheries enterprises.</p> <p>FAO:sjh MF</p>
<p>Swanson, E.R. (1957) 583440  <u>J. Fm Econ.</u>, 39:382-9  Problems of applying experimental results to commercial practice</p> <p>A review of subject relevant to fisheries problems, involving team work of scientists of different disciplines.</p> <p>FAO:sjh MF</p>	<p>Halter, A.N., H.O. Carter &amp; 583443  J.G. Hocking (1957)  <u>J.Fm Econ.</u>, 39:966-74  A note on the transcendental production function</p> <p>This note provides a description &amp; an illustrative example of a transcendental production function that may prove useful to agricultural economists &amp; others in the field of production economics.</p> <p>FAO:sjh MF</p>
<p>Marec. Service Central de. 583441  Statistiques (1958)  Rabat, 36 p.  Bulletin mensuel de statistique no. 7  (Monthly bulletin of statistics)</p> <p>Incl. monthly table on fish landings, by areas, for the period March-December, 1957.</p> <p>FAO:sjh M</p>	<p>Trégouboff, G. &amp; M. Rose (1957) 583444  <u>Centre nat. Rech.sci., Paris</u>, 587 + 207 p.  <u>Manuel de planctonologie méditerranéenne</u>  Part I &amp; II (Manual of Mediterranean planktonology)</p> <p>Monograph in 2 volumes; the first, text, has introductory chapters on general characteristics of plankton, cycle of matter &amp; energy in the sea &amp; productivity, but the greatest part is a systematic study with general notes (morphology, biology, etc.) of groups at various levels; volume 2 carries line drawings.</p> <p>FAO:glk M</p>

<p>Corbet, P.S. (1958) 583445  <u>Nature, Lond.</u>, 181:570-1  <u>Effects of Simulium control on insectivorous fishes</u></p> <p>Describes some effects of DDT on feeding habits of fishes in Uganda (A full account to be published esclusive).</p> <p>GLK:wad F</p>	<p>Atmohardjono, R.S. (1957) 583448  <u>Contributed Publ. IPFC/C57/CP20</u>, 4 p.  <u>The Inland Fisheries Extension Service in Indonesia</u></p> <p>Describes the activities of the Extension Branch of the Inland Fisheries Service consisting of Provincial, Residency &amp; Regency Offices, District &amp; Sub-District Branches, lower &amp; middle grade fisheries; schools &amp; demonstration hatcheries &amp; ponds.</p> <p>GLK:tjj F</p>
<p>Jones, F.R. (1958) 583446  <u>Nature, Lond.</u>, 181:575-6  <u>Three zoopagales from brackish water</u></p> <p><u>Records of Stylopage rhabdospira</u> Drechs., uncertain variety of <u>Stylopage rhynchospora</u> Drechs., &amp; <u>Zoopago</u> from a salt marsh in England.</p> <p>GLK:efa MF</p>	<p>Mandahl-Barth, G. (1958) 583449  <u>World Hlth Org. Monogr.</u>, (37):89 p.  <u>Intermediate hosts of Schistosoma</u></p> <p>The African lanorbidae of medical importance are considered together, without regard to political frontiers.</p> <p>wad F</p>
<p>O'Rourke, F.J. &amp; P. Makings (1958) 583447  <u>Nature, Lond.</u>, 181:577  <u>An inexpensive easily constructed fish-marking tag</u></p> <p>Description of a tag similar to Lee's hydrostatic tag, but made of vinyl plastic tubing, attached with mono-filament nylon, &amp; used for pike &amp; pollack.</p> <p>GLK:wad M</p>	<p>Northcote, T.G. (1958) 583450  <u>Nature, Lond.</u>, 181:1283-4  <u>Effect of photoperiodism on response of juvenile trout to water currents</u></p> <p>Describes response to artificial water currents of <u>Salmo gairdneri</u> acclimatized to different temperatures &amp; exposed to different periods of artificial illumination.</p> <p>GLK:wad F</p>

Deacon, G.E.R. (1958)  
Nature, Lond., 181:1559-60  
Conditions of life in the sea

583451

Southward, A.J. & E.C.  
Southward (1958)  
Nature, Lond., 181:1607  
Pogonophora from the Atlantic

583454

Critical review of 583211.

Reports occurrence of Siboglinum spp.  
on SW continental slope of British Is.  
in samples by R.V. SARSIA, 4/5/57.

GLK:sjh

M

GLK:sjh

M

Baldwin, E. (1958)  
Nature, Lond., 181:1591-2  
Ureogenesis in elasmobranchs

583452

Hampton, J.S. (1958)  
Nature, Lond., 181:1608-9  
Chemical analysis of holothurian  
sclerites

583455

Description of experiments with Rhino-  
batus productus, Mustelus californicus,  
Gymnura marmorata & Urobatus halleri to  
elucidate the biochemical mechanisms of  
this process.

Results of analysis of Holothuria  
impatiens Forskäl, a littoral sp. with  
circumtropical - subtropical  
distribution.

GLK:sjh

M

GLK:sjh

M

Fairbairn, D. (1958)  
Nature, Lond., 181:1593-4  
Glucose, trehalose and glycogen in  
Porrocaecum decipiens larvae

583453

Pentelow, F.T.K. (1958)  
Nature, Lond., 181:1568-9  
River boards in Britain

583456

Unusually large amounts of these  
carbohydrates found in this nematode  
parasite of cod & other fishes (seals  
are secondary hosts).

GLK:sjh

M

GLK

F

<p>Maroc. Service Central de Statistique (1958) Rabat, 36 p. Bulletin mensuel de statistique no. 8 (Monthly bulletin of statistics)</p> <p>Incl. monthly table on fish landings, by areas, for the period March-December, 1957.</p>	583457	<p>Jackson, P.B.N. (1958) <u>Nature, Lond.</u>, 182:123-4 A lungfish (<u>Protopterus</u>) from the Middle Zambesi</p> <p>First record of a lungfish, <u>Protopterus annectens</u> Owen, from this system, with notes on the distribution of the genus in East Africa.</p>	583460
FAO:sjh	M	GLK:wad	F
<p>Taylor, J.H. (1958) <u>Nature, Lond.</u>, 182:91 Sedimentation and orogeny</p> <p>A summary of the papers &amp; ideas discussed on the V International Congress of Sedimentology in Geneva &amp; Lausanne, June 1958. Contains also notes about submarine geology.</p>	583458	<p>Hatherton, T. (1958) <u>Nature, Lond.</u>, 182:285-9 Antarctic research</p> <p>Report of a symposium held in Wellington, New Zealand, 18-22/2/58, which incl. account of some recent ichthyological, oceanographic &amp; related studies (Chairman R.M. Cassie). Phyto- plankton production was discussed in the session on biology, chaired by R.A. Falla.</p>	583461
GLK:tl	M	GLK:sjh	M
<p>Ramaswami, L.S. &amp; A.B. Lakshman (1958) <u>Nature, Lond.</u>, 182:122-3 Spawning catfish with mammalian hormones</p> <p>Reviews previous work &amp; records the reactions of <u>Heteropneustes</u> to hormones used along with a threshold dose of catfish pituitary gland.</p>	583459	<p>Cox, C.B. (1958) <u>Nature, Lond.</u>, 182:300-1 The Institute of Biology - Annual conversazione</p> <p>Meeting of the London Branch, 3/7/58, included demonstration of Falklands Is. Dependencies Survey biological research, including method of ageing seals by teeth, reproductive cycle of southern elephant seal, anatomical studies for classification of spp. of <u>Arenicola</u>.</p>	583462
GLK:wad	F	GLK:sjh	M

Guilcher, A. (1958) 583463  
Methuen, London  
Coastal and submarine morphology

A translation, by R.H.W. Kneese & B.W. Sparkes of Cambridge University, from a French text which appeared in 1954, & to which a number of improvements have been made by the author.

:sjh

M

Berland, B. (1958) 583466  
Nature, Lond., 182:408-9  
The hood of the hooded seal, Cystophora cristata Erxl.

Field study of the mechanism of inflation.

GLK:sjh

M

Corbet, P.S. (1958) 583464  
Nature, London, 182:330-1  
Lunar periodicity of aquatic insects in lake Victoria

Ecological study of Chaoborus edulis, Tanytarsus balteatus, Athripsodes spp., Clinotanypus claripennis, Povilla adusta & other Plecoptera, Ephemeroptera, Trichoptera & Chironomidae.

GLK:sjh

F

Garner, D.M. (1958) 583467  
Nature, Lond., 182:466-8  
A radiocarbon profile in the Tasman sea

Data on C<sub>14</sub> activity, temperature, salinity & oxygen content in various depths. Computation of apparent age of different water masses using Pinus radiata C<sub>14</sub> activity as contemporary standard. Discussion of water-mass structure by means of 'age'-salinity correlation.

GLK:tl

M

Murray, M.D. (1958) 583465  
Nature, Lond., 182:404-5  
Ecology of the louse Lepidophthirus macrorhini Enderlein 1904 on the elephant seal Mirounga leonina (L.)

An account of field & laboratory studies of specimens obtained from Macquarie I., Dec. 1957.

GLK:sjh

M

Goudappel, J.R. & E.J. 583468  
Slijper (1958)  
Nature, Lond., 182:479  
Microscopic structure of the lungs of the bottlenose whale

A study of Hyperoodon ampullatus Forster to determine whether the occurrence of sphincters in the bronchiales of cetacea are connected with the systematic position of the animals or with functional aspects.

GLK:wad

M

Yonge, C.M. (1958)  
Nature, Lond., 182:484  
Molluscan development

583469

Review of 580811.

GLK:wad

MF

Jackson, P.A. (1958)  
Nature, Lond., 182:543

583472

Movement of salmon on the river Erne

Notes that a graphic record of Salmo salar has been kept for 4 fishing seasons at a fish pass in Ireland & gives notes on their movement.

GLK:wad

MF

Gay, P.A. (1958) 583470  
Nature, Lond., 182:538-9  
Ichornia crassipes in the Nile of the Sudan

Observations on its presence in the White Nile & Bahr el Gebel in March-April 1958.

GLK:wad

F

Harrisson, T. & G. Jamuh (1958) 583473  
Nature, Lond., 182:543  
Pigmy sperm whale (Kogia breviceps) in Borneo

A record of a 10-ft specimen with an embryo from Buntal in Southwest Sarawak, 19 Feb., 1958. Also mentions records of Balaenoptera brydei from Borneo & 1956 & 1957.

GLK:wad

M

Harding, J.P. & A.C. 583471  
Wheelor (1958)  
Nature, Lond., 182:542-3  
Heavy infestation by the parasitic copepod Lernaeonicus of sprats in the river Crouch

Describes occurrence of L. sprattus & L. encrasicola on Clupea sprattus in an English estuary in May 1957.

GLK:wad

MF

Skellam, J.G. (1958) 583474  
Biometrics, 14:385-400  
The mathematical foundations underlying the use of line transects in animal ecology

An important theoretical & empirical study of this method of determining population densities, with special reference to the variance of the estimates.

FAO:sjh

MF

Wette, R. (1958) 583475  
Biometrics, 14:440-1  
On the biological interpretation of the  
logarithmic series distribution

Abstract of paper read at 5th Biometric  
Colloquy, Bad Nauheim, 24-26/1/58.  
Logarithmic series distribution of the  
number of spp. per genus etc. can be  
obtained by model: the probability that  
a taxonomist adds or excludes a  
taxonomical sub-unit to or from a higher  
unit during time interval  $t$ ,  $t + dt$ , be  
proportioned to number of sub-units per  
unit &  $dt$ . In deference to this  
ordinary birth-&-death process, the  
taxonomist prevents a taxonomical unit

Tihen, J.A. (1958) 583478  
Bull.Fla St.Mus., 3:1-50  
Comments on the osteology and phylogeny  
of Ambystomatid salamanders

Considers supraspecific groupings of the  
family Ambystomatidae as indicated by  
their osteology.

FAO:hr

F

583475  
(Card 2)  
from vanishing by allotting its last  
member to another unit during a  
revision. Resulting stochastic process  
yields a logarithmic series distribution  
in the stationary limit.

FAO:sjh

MF

Auffenberg, W. (1958) 583479  
Bull.Fla St.Mus., 3:53-92  
Fossil turtles of the genus Terrapene  
in Florida

Contents as per title.



FAO:hr

F

Huber-Postalozi, G. (1958) 583477  
Schweiz.Z.Hydrol., 20(1):1-15  
Einige limnologische Beobachtungen an  
den Bergsturzseen von Flims (Some  
limnological observations on mountain-  
lakes of Flims)

Description of the plankton biocoenoses  
in 3 mountain lakes in Switzerland.

FAO:dr

F

Cohen, D.M. (1958) 583480  
Bull.Fla St.Mus., 3:93-174  
A revision of the fishes of the  
subfamily Argentininae

A systematic revision of the Argenti-  
ninae divides the subfamily into 2  
genera, Argentina with 7 spp. & sub-spp.  
& Glossanodon with 5 spp. Comments are  
given on habits & distribution, & brief  
discussions of the swimbladder & the  
spiral valve are included.

FAO:hr

M

<p>Meyer-Waarden, (1958) 583481  <u>Allg.FischwirtschaftZtg.</u>, 10(33):12-4  Sorgen der Krabbenwirtschaft  (Worries of the shrimp fishing industry)</p> <p>Reviews the decrease in shrimp production 1958, &amp; describes factors by which the reduction has been caused probably.</p> <p>FAO:dr M</p>	<p>Smith, J.L.B. (1958) 583484  <u>Ichthyol.Bull.</u>, (11):137-63  The fishes of the family Eleotridae in the Western Indian Ocean</p> <p>Gives keys &amp; descriptions of genera &amp; spp.</p> <p>FAO:hr MF</p>
<p>Nolte, W. (1958) 583482  <u>Allg.FischwirtschaftZtg.</u>, 10(34-35):10  Die Hochseekutter in der Heringsfischerei  (The high sea cutter and its application within the herring fisheries)</p> <p>Data on the importance of high sea cutter with special regard to herring production.</p> <p>FAO:dr M</p>	<p>Panse, V.G. &amp; K.V.R. 583485  Sastry (1958)  Cairo, 96 p.  Sample surveys for the improvement of fisheries statistics in Egypt</p> <p>An interim report on the technical aspects &amp; results of certain investigations carried out under the FAO Technical Assistance Programme in Egypt.</p> <p>SJH:sjh MF</p>
<p>Anonymous (1958) 583483  <u>Allg.FischwirtschaftZtg.</u>, 10(37):15-6  Ergebnisse von Untersuchungen an einigen Nutzfischen (Results of investigations on several fishes of commercial value)</p> <p>Brief extract of <u>Annales Biologiques</u>, 13.</p> <p>FAO:dr M</p>	<p>Revelle, R.R. (1958) 583486  <u>Geophys.Monogr.</u>, (2):147-53  Sun, sea, and air. IGY studies of the heat and water budget of the earth</p> <p>A popular review of the heat exchange between the sea &amp; the atmosphere, wind systems &amp; circulation patterns, long term temperature changes &amp; review of the investigations in these subjects during IGY.</p> <p>FAO:tl M</p>

<p>Iselin, C.O'.D. (1958) 583487  <u>Geophys.Monogr.</u>, (2):169-74  Synoptic studies in oceanography</p> <p>Review of the development of oceanographic programme of IGY, notes on the oceanographic observations in South Atlantic during 1957 &amp; comparison of the measurements made in 1957 with those made by METEOR 25 years ago.</p> <p>FAO:tl M</p>	<p>Halawani, A., F. El Raii &amp; 583490  G. Sadok (1958)  <u>J.Egypt med.Ass.</u>, 41(1):1-5  On the morphology and nomenclature of <u>Biomphalaria alexandrina</u> (Ehrenberg, 1931) versus <u>B. biossyi</u> (Potiez &amp; Michaud, 1938)</p> <p>A study on the morphology of the planorbis snails in Egypt. Large number of the snails have been examined &amp; the great majority of them belong to one type except in one single drain at Embaba which belongs to another type.</p> <p>:sjh F</p>
<p>Munk, W.H. (1958) 583488  <u>Geophys.Monogr.</u>, (2):175-6  The seasonal budget of water</p> <p>Short review of the factors affecting the change of sea level &amp; notes on work during IGY in this subject.</p> <p>FAO:tl M</p>	<p>Clapp, W.F. &amp; R. Kenk (1957) 583491  <u>The Library of Congress, Washington, D.C.</u>  350 p.  Marine borers. A preliminary bibliography. Part II</p> <p>Deals mainly with the biology of the marine borers; Porifera, Annelida (Polychaeta &amp; Gephyrea), Cirripedia, Isopoda (Limnoriidae, Sphaeromidae), Amphipoda (Cheluridae), Bivalvia, (Teredinidae), Echinodermata (Echinoidea), Bryozoa. Gives references on marine borer damage &amp; prevention of borer attacks.</p> <p>FAO:hr M</p>
<p>Aronson, L.R. &amp; P.A. 583489  Gilbert (1958)  <u>A.I.B.S.Bull.</u>, 8(3):17-9  Conference on shark repellents</p> <p>A summary report of a conference on the Basic Research Approaches to the Development of Shark Repellents sponsored by the AIBS &amp; Tulane University, &amp; supported by the Office of Naval Research &amp; Navy Bureau of Aeronautics held in New Orleans, La., 8-11 April 1958.</p> <p>WAD:wad M</p>	<p>Timmermans, J.A. (1957) 583492  <u>Trav.Sta.Rech.Groenendaal</u>, (23D):15 p.  Une expérience de marquage de poissons et de contrôle de l'efficacité des repeuplements dans un canal (Experiment in the use of fish marking &amp; in checking the efficiency of re-population in a channel). <u>Fr</u> <u>Fl</u></p> <p>Experiment in the use of marking of released fish &amp; in the distribution of special statistical forms to line fishing, for the determination of the efficiency of release operations.</p> <p>GLK:glk F</p>

Union Géodésique et Géophysique 583493  
Internationale (1958)  
Paris, 129-60  
Chronique de l'U.G.G.I. no. 13  
(I.U.G.G. Chronicle)

Contains account of the North Atlantic program for survey of the polar front, notice of the International Oceanographic Congress, N.Y., August-September 1959, & report of the oceanographic programme of the IGY.

FAO:glk

M

Teodorescu-Leonte, R. & al. (1957) 583496  
Bul.Inst.Cerc.piscic.Roman., 16(1):37-46  
Cîteva date asupra reproduciei scrumbiei (Caspialosa pontica Eichw.) in Dunăre (Some data on the reproduction of Caspialosa pontica Eichw. in the Danube). Fr Ru

Description of hydrometeorologic conditions affecting the migration of Caspialosa pontica; composition, size, sexes & age of the migrating shoal in the Danube; extention of breeding grounds, duration & intensity of migration; notes on reproduction, recommendations for establishing &

Băcescu, M. (1957) 583494  
Bul.Inst.Cerc.piscic.Roman., 16(1) 5-12  
Problema fondului de scrumbii și sturioni al Mării Negre (Problems of conservation of Caspialosa and sturgeons of the Black Sea). Fr Ru

Adverse effects on national economy, of mass destruction of young Caspialosa pontica & Ganoids at the mouth of the Danube, are discussed with reference to this & to the proposed barrages; scientific methods of fishing are advocated.

FAO:tjj

MF

583496  
(Card 2)  
protecting reservoirs for brooders by regulation of fishing at mouths of secondary rivers & in the Danube channel.

FAO:tjj

F

Buşniță, Th. & I. 583495  
Arachellan (1957)  
Bul.Inst.Cerc.piscic.Roman., 16(1) 13-35  
Cîteva date privitoare la pescuitul marin Român și Bulgar din perioada 1949-1954 (Some data concerning Bulgarian and Rumanian fishery during the years 1949-1954). Fr Ru

Statistical data with graphs showing seasonal & annual fluctuations in catches of Caspialosa, mackerel, anchovies, etc.

FAO:tjj

M

Cautiș, I., I. Marius & 583498  
M. Androp (1957)  
Bul.Inst.Cerc.piscic.Roman., 16(1) 47-56  
Problema fondului de Caspialosa din Marea Neagră (The basic problem of Caspialosa in the Black Sea). Fr Ru

Corrolation of decrease in mature specimens in 1956 & increase, in recent years, of fishing with 'talions' at the mouth of the Danube. Data on capture & sale of fry with other small fish. Prohibition of fishing during certain seasons & other protective measures recommended.

FAO:tjj

MF

Manca, Gh.I. & M. Mihai (1957) 583499  
Bul.Inst.Cerc.piscic.Roman., 16(1):57-72  
 Primele experiențe de înmulțire și  
 creștere artificială a sturionilor în  
 R.P.R. - Rezultate preliminare obținute  
 în primăverile anilor 1955 și 1956  
 (First experiments in artificial  
 reproduction of sturgeons in Rumania -  
 Preliminary results obtained in the  
 spring 1955 and 1956). Fr Ru

Details of the experiments & special  
 arrangements at Litcov & other stations  
 for their continuation. Monoculture  
 discussed.

FAO:tjj

MF

Rădulescu, I. & G. Vasile (1957) 583502  
Bul.Inst.Cerc.piscic.Roman., 16(1):87-9  
 Observațiuni asupra pierderilor  
 economice produse prin îmbolnăvirea  
 peștilor de hidropizie infecțioasă  
 (Observations on the economic loss  
 caused by 'hydropsis' infection).  
 Fr Ru

Percentages of mortality caused in  
 natural & artificial waters, retardation  
 of development & loss in nutritive  
 value on account of reduction of  
 protein & fat contents combined with  
 increase of water contents.

FAO:tjj

F

Stofan, M. (1957) 583500  
Bul.Inst.Cerc.piscic.Roman., 16(1):73-81  
 Consumul de oxigen individual și în grup  
 la cițiva pești marini și de apă dulce  
 (The individual and crowd consumption of  
 oxygen of some freshwater and marine  
 fishes). Fr Ru

Results of experiments on Cyprinus  
carpio, Carassius carassius, Phoxinus  
lacvis, Gasterosteus aculeatus, Pleuro-  
nectes flosus & pholis gunnelus.  
 Quantitative estimate of oxygen by the  
 electrode method, showing hourly  
 variations & changes under isolation &  
 under crowding.

FAO:tjj

MF

Schultz, V. & R.J. Muncy (1957) 583503  
J.Wildlife Mgmt., 21:274-8  
 An analysis of variance applicable to  
 transect population data

A method of statistical analysis  
 applicable for example to benthos  
 surveys by diving, & other 'walking  
 observation line' problems.

FAO:sjh

MF

Eugen, P.A. & al. (1957) 583501  
Bul.Inst.Cerc.piscic.Roman., 16(1):82-6  
 Acțiunea largactilului asupra consumului  
 de oxigen și supraviețuirii la aer a  
 peștelui Carassius carassius L. -  
 Perspective interesante în problema  
 transportului peștelui viu (Effect  
 of largactyle on the consumption of  
 oxygen and the survival out of water of  
Carassius carassius - Interesting  
 prospectives for the transportation of  
 line fish). Fr Ru

Describes a fixed rhythm of variation in  
 oxygen consumption by the fish survival  
 up to 70 hours out of water after  
 treatment with largactyle.

FAO:tjj

MF

Krumholtz, L.A. & al. (1957) 583504  
J.Wildlife Mgmt., 21:373-6  
 Glossary of Wildlife terms

Terms, such as age group, annulus,  
 biomass, carrying capacity, circulus,  
 condition factor, standard length,  
 oscillation, Peterson index, population  
 pressure, pyramid of numbers, surplus  
 stock etc., are defined.

FAO:tjj

MF

Brugger, L. & al. (1957) 583505  
J. Wildlife Mgmt., 21:376-7  
Salaries of fishery biologists and  
wildlife biologists

Comparative figures for the Far West,  
Southwest, North Central, Southeastern  
Northeast regions of the U.S., with the  
rates of the U.S. Navy Wage Board.

FAO:tjj

MF

Tåning, Å.V. (1958) 583508  
Ann.biol., Copenhagen, (13):9  
Distant northern seas. Introduction

GLK:

M

Conseil Permanent International 583506  
pour l'Exploration de la Mer (1958)  
Copenhagen, 243 p.  
Annales biologiques vol. 13

CLK:

MF

Smød, J. (1958) 583509  
Ann.biol., Copenhagen, (13):10-1  
Monthly anomalies of the surface  
temperature in areas of the northern  
North Atlantic in 1956

Part of 'Distant Northern seas,  
Environment, Hydrography'.

CLK:

M

Fridriksson, A. (1958) 583507  
Ann.biol., Copenhagen, (13):7-8  
Annales biologiques. Preface

CLK:

MF

Hill, H.W. (1958) 583510  
Ann.biol., Copenhagen, (13):11-26  
Hydrographic conditions in the Baronts  
sea during 1956

Part of 'Distant Northern Seas, Environ-  
ment, Hydrography'.

CLK:

M

Lednev, V.A. (1958) 583511  
Ann.biol., Copenhague, (13):26-7  
Soviet observations in the Norwegian,  
Greenland, and Baronts seas in 1956

Part of 'Distant Northern Seas,  
Environment, Hydrography'.

GLK:

M

Burns, R.B. (1958) 583514  
Ann.biol., Copenhague, (13):32-3  
Hydrographic conditions in Icelandic  
waters August-September 1956

Part of 'Distant Northern Seas,  
Environment, Hydrography'.

GLK:

M

Krauss, W. (1958) 583512  
Ann.biol., Copenhague, (13):27-9  
Fluctuations of the hydrographic  
conditions in a section across the  
Norwegian current

Part of 'Distant Northern Seas,  
Environment, Hydrography'.

GLK:

M

Dietrich, G. (1958) 583515  
Ann.biol., Copenhague, (13):33-4  
The oceanic polar front in the waters  
round Greenland and Iceland in August  
1956

Part of 'Distant Northern Seas,  
Environment, Hydrography'.

GLK:

M

Stefánsson, U. (1958) 583513  
Ann.biol., Copenhague, (13):29-32  
Hydrographic conditions north and east  
of Iceland 1956

Part of 'Distant Northern Seas,  
Environment, Hydrography'.

GLK:

M

Hermann, F. (1958) 583516  
Ann.biol., Copenhague, (13):34-5  
Sections Faroes to East Greenland and  
Cape Farowell to Western Ireland

Part of 'Distant Northern Seas,  
Environment, Hydrography'.

GLK:

M

Hormann, F. (1958)  
Ann.biol., Copenhagen, (13):36-7  
Hydrographic conditions in West  
Greenland waters 1956

583517

Part of 'Distant Northern Seas,  
Environment, Hydrography'.

GLK

M

Fraser, J.H. (1958)  
Ann.biol., Copenhagen, (13):41-2  
Scottish plankton investigations in 1956

583520

Part of 'Distant Northern Seas,  
Environment, Plankton'.

GLK

M

Corlett, J. (1958)  
Ann.biol., Copenhagen, (13):39-40  
Dry weight of plankton in the Western  
Barents sea 1953-1956

583518

Part of 'Distant Northern Seas,  
Environment, Plankton'.

GLK

M

Kotthaus, A. (1958)  
Ann.biol., Copenhagen, (13):42-8  
German market investigations on rodfish  
in 1956. Length composition of the  
landings. Sex ratio

583521

Part of 'Distant Northern Seas,  
The Fish, Rodfish'.

GLK

M

Pavshits, E.A. (1958)  
Ann.biol., Copenhagen, (13):40-1  
Plankton survey from the Norwegian sea  
in 1956

583519

Part of 'Distant Northern Seas,  
Environment, Plankton'.

GLK

M

Magnússon, J. (1958)  
Ann.biol., Copenhagen, (13):49-50  
Notes on the length distribution of  
rodfish (Sobastos marinus L.) in  
Icelandic waters in 1956

583522

Part of 'Distant Northern Seas,  
The Fish, Rodfish'.

GLK

M

Hanson, P.M. (1958) 583523  
Ann.biol., Copenhagen, (13):51-2  
Rodfish taken with the shrimp trawl in  
West Greenland fjords, 1952 to 1956

Part of 'Distant Northern Seas,  
The Fish, Rodfish'.

GLK: M

Rao, B.B. & M. Wilson (1958) 583526  
Ann.biol., Copenhagen, (13):54  
Rare fish from distant northern seas.  
Scotland

Part of 'Distant Northern Seas,  
The Fish, Rare Fish.

GLK: M

Hansen, P.M. (1958) 583524  
Ann.biol., Copenhagen, (13):53  
Spotted wolffish (Anarhichas minor) and  
striped wolffish (Anarhichas lupus)

Part of 'Distant Northern Seas,  
The Fish, Wolffish'.

GLK: M

Hult, J. (1958) 583527  
Ann.biol., Copenhagen, (13):55-6  
Near Northern Seas - Introduction

GLK: M

Brandes, C.-H. & A. 583525  
Kotthaus (1958)  
Ann.biol., Copenhagen, (13):53-4  
Rare fish from distant northern seas.  
Germany

Part of 'Distant Northern Seas,  
The Fish, Rare Fish'.

GLK: M

Tait, J.B. (1958) 583528  
Ann.biol., Copenhagen, (13):57-8  
Near northern seas and approaches

Part of 'Near Northern Seas,  
Environment, Hydrography'.

GLK: M

Craig, R.L. (1958) 583529  
Ann.biol., Copenhagen, (13):58-9  
Surveys in Scottish coastal waters

Part of 'Near Northern Seas,  
Environment, Hydrography'.

GLK: M

Craig, R.L. (1958) 583532  
Ann.biol., Copenhagen, (13):62-6  
Hydrographic surveys of the northern  
North Sea

Part of 'Near Northern Seas,  
Environment, Hydrography'.

GLK: M

Burns, R.B. (1958) 583530  
Ann.biol., Copenhagen, (13):59-62  
Chemical observations

Part of 'Near Northern Seas,  
Environment, Hydrography'.

GLK: M

Krauss, W. (1958) 583533  
Ann.biol., Copenhagen, (13):66  
Hydrographic conditions in the northern  
North Sea and in the Norwegian Rinno,  
February 1956

Part of 'Near Northern Seas,  
Environment, Hydrography'.

GLK: M

Smed, J. (1958) 583531  
Ann.biol., Copenhagen, (13):62  
Monthly anomalies of the surface  
temperature in an area off the eastern  
coast of Scotland in 1956

Part of 'Near Northern Seas,  
Environment, Hydrography'.

GLK: M

Anderson, K.P. (1958) 583534  
Ann.biol., Copenhagen, (13):69  
Hydrographic conditions in the North  
Sea 1956

Part of 'Near Northern Seas,  
Environment, Hydrography'.

GLK: M

Dietrich, G. (1958) 583535  
Ann.biol., Copenhagen, (13):74-5  
Hydrographic conditions in the Dogger  
Bank region in September 1956

Part of 'Near Northern Seas,  
Environment, Hydrography'.

GLK: M

Prahm, G. (1958) 583538  
Ann.biol., Copenhagen, (13):78-9  
Summer bottom temperature in two  
selected areas of the central North  
Sea in the years 1900-1956

Part of 'Near Northern Seas,  
Environment, Hydrography'.

GLK: M

Prahm, G. (1958) 583536  
Ann.biol., Copenhagen, (13):76  
Hydrographic conditions of the German  
Bight in 1956

Part of 'Near Northern Seas,  
Environment, Hydrography'.

GLK: M

Dannovig, A. (1958) 583539  
Ann.biol., Copenhagen, (13):79  
Hydrography of the Skagorak. Norwegian  
waters

Part of 'Near Northern Seas,  
Environment, Hydrography'.

GLK: M

Goedocke, E. (1958) 583537  
Ann.biol., Copenhagen, (13):77-8  
Means and anomalies of temperature and  
salinity on the Hamburg-Hull route in  
1956

Part of 'Near Northern Seas,  
Environment, Hydrography'.

GLK: M

Thomson, H. (1958) 583540  
Ann.biol., Copenhagen, (13):80  
Hydrography of the Kattegat area.  
Danish waters

Part of 'Near Northern Seas,  
Environment, Hydrography'.

GLK: M

Fraser, J.H. (1958) 583541  
Ann.biol., Copenhagen, (13):81-2  
Scottish plankton investigations in  
1956

Part of 'Near Northern Seas,  
Environment, Plankton'.

GLK:

M

Ursin, E. (1958) 583544  
Ann.biol., Copenhagen, (13):88-90  
Danish plaice investigations in the  
North Sea, 1956

Part of 'Near Northern Seas, The Fish,  
Plaice'.

GLK:

M

Saville, A. (1958) 583542  
Ann.biol., Copenhagen, (13):82  
Herring larvae

Part of 'Near Northern Seas,  
Environment, Plankton'.

GLK:

M

Gulland, J.A. & T. Williams (1958) 583545  
Ann.biol., Copenhagen, (13):90  
English landings of plaice in 1955 and  
1956

Part of 'Near Northern Seas, The Fish,  
Plaice'.

GLK:

M

Kotthaus, A. (1958) 583543  
Ann.biol., Copenhagen, (13):83-2  
German investigations in the south-  
eastern North Sea in 1956

Part of 'Near Northern Seas, The Fish,  
Plaice'.

GLK:

M

Jonson, Aa.J.C. (1958) 583546  
Ann.biol., Copenhagen, (13):91-3  
Plaice and other flatfish in the  
Skagorak-Kattogat area

Part of 'Near Northern Seas, The Fish,  
Plaice'.

GLK:

M

<p>Bagge, O. &amp; E. Bertelson (1958) 583547  <u>Ann.biol., Copenhagen, (13):93</u>  Transplantation of plaice to the  Limfjord</p> <p>Part of 'Near Northern Seas, The Fish,  Plaice'.</p>	<p>Meyer-Waarden, P.F. (1958) 583550  <u>Ann.biol., Copenhagen, (13):95</u>  Observations on protected fish present  in the oil-herring landed by German  cutters and observations on fish landed  by German shrimpers</p> <p>Part of 'Near Northern Seas, The Fish,  Industrial Fisheries'.</p>
GLK: M	GLK: M
<p>Knudson, J. (1958) 583548  <u>Ann.biol., Copenhagen, (13):93</u>  Kattegat and Limfjord</p> <p>Part of 'Near Northern Seas, The Fish,  Dab'.</p>	<p>Rao, B.B. &amp; E. Wilson (1958) 583551  <u>Ann.biol., Copenhagen, (13):95-6</u>  Rare fishes from near northern seas.  Scotland</p> <p>Part of 'Near Northern Seas, The Fish,  Rare Fish'.</p>
GLK: M	GLK: M
<p>Gulland, J.A. &amp; T. Williams (1958) 583549  <u>Ann.biol., Copenhagen, (13):94</u>  English market measurements on soles and  whiting</p> <p>Part of 'Near Northern Seas, The Fish,  Sole and Whiting'.</p>	<p>Krofft, G. &amp; A. Kotthaus (1958) 583552  <u>Ann.biol., Copenhagen, (13):96</u>  Rare fishes from near northern seas.  Germany</p> <p>Part of 'Near Northern Seas, The Fish,  Rare Fish'.</p>
GLK: M	GLK: M

<p>Nybelin, O. (1958) 583553  <u>Ann.biol., Copenhagen, (13):96</u>  Rare fishes from near northern seas.  Sweden</p> <p>Part of 'Near Northern Seas, The Fish,  Rare Fish!'</p> <p>GLK: M</p>	<p>Kändler, R. &amp; G. Prahm (1958) 583556  <u>Ann.biol., Copenhagen, (13):100-2</u>  German observations of the hydrography  of the Bolts and the Baltic in 1956</p> <p>Part of 'Baltic-Bolt Seas, Environment,  Hydrography'.</p> <p>GLK: M</p>
<p>Jenson, Aa.J.C. (1958) 583554  <u>Ann.biol., Copenhagen, (13) 97-8</u>  Baltic-Bolt Seas. Introduction</p> <p>GLK: M</p>	<p>Wüst, G. (1958) 583557  <u>Ann.biol., Copenhagen, (13):102-4</u>  On the thermal micro-stratification of  the Baltic, with especial reference to  the layers of the deep and bottom water</p> <p>Part of 'Baltic-Bolt Seas, Environment,  Hydrography'.</p> <p>GLK: M</p>
<p>Thomson, H. (1958) 583555  <u>Ann.biol., Copenhagen, (13) 99</u>  Danish observations in the Bolts, the  Western Baltic and at Christiansø</p> <p>Part of 'Baltic-Bolt Seas, Environment,  Hydrography'.</p> <p>GLK: M</p>	<p>Jorlov, N. (1958) 583558  <u>Ann.biol., Copenhagen, (13):104</u>  Swedish observations</p> <p>Part of 'Baltic-Bolt Seas, Environment,  Hydrography'.</p> <p>GLK: M</p>

Nordström, S.G. (1958) 583559  
Ann.biol., Copenhagen, (13):104-5  
Finnish observations. Three sections in  
the Gulf of Bothnia

Part of 'Baltic-Belt Seas, Environment,  
Hydrography'.

GLK: M

Fodosov, M. (1958) 583562  
Ann.biol., Copenhagen, (13):109-10  
Soviet observations. Recent data on  
oxygen content in the central Baltic

Part of 'Baltic-Belt Seas, Environment,  
Hydrography'.

GLK: M

Ledor, I.Z. & N.M. 583560  
Pastukhova (1958)  
Ann.biol., Copenhagen, (13):106-7  
Soviet observations. Distribution of  
water temperature, salinity and oxygen  
content in the Baltic from May to  
December 1956

Part of 'Baltic-Belt Seas, Environment,  
Hydrography'.

GLK: M

Kroy, J. (1958) 583563  
Ann.biol., Copenhagen, (13):110  
Productivity in the Baltic

Part of 'Baltic-Belt Seas, Environment,  
Plankton'.

GLK: M

Zaitsov, G. (1958) 583561  
Ann.biol., Copenhagen, (13):107-9  
Soviet observations. Mixing of water  
masses in 1955 and 1956

Part of 'Baltic-Belt Seas, Environment,  
Hydrography'.

GLK: M

Nikolaev, I. (1958) 583564  
Ann.biol., Copenhagen, (13):112-4  
Zooplankton in the central Baltic and  
in the Gulf of Riga in 1956

Part of 'Baltic-Belt Seas, Environment,  
Plankton'.

GLK: M

Lindquist, A. (1958) 583565  
Ann.biol., Copenhagen, (13):114-5  
Zooplankton investigations in the Gulf  
of Bothnia

Part of 'Baltic-Belt Seas, Environment,  
Plankton'.

GLK:

M

Jonson, Aa.J.C. (1958) 583568  
Ann.biol., Copenhagen, (13):118-9  
The stock in the open sea

Part of 'Baltic-Belt Seas, The Fish,  
Plaico'.

GLK:

M

Kändler, R. (1958) 583566  
Ann.biol., Copenhagen, (13):116-7  
Investigations in the Belts and Western  
Baltic

Part of 'Baltic-Belt Seas, The Fish,  
Eggs and Larvae'.

GLK:

M

Bagge, O. & E. Bortolson (1958) 583569  
Ann.biol., Copenhagen, (13):119  
Transplantation of plaico to the Belts

Part of 'Baltic-Belt Seas, The Fish,  
Plaico'.

GLK:

M

Jonson, Aa.J.C. (1958) 583567  
Ann.biol., Copenhagen, (13):117-8  
Danish investigations

Part of 'Baltic-Belt Seas, The Fish,  
Flatfish'.

GLK:

M

Knudson, J. (1958) 583570  
Ann.biol., Copenhagen, (13):119  
Dab

Part of 'Baltic-Belt Seas, The Fish,  
Dab'.

GLK:

M

<p>Jenson, Aa.J.C. (1958) 583571  <u>Ann.biol., Copenhagen, (13):120</u>  Flounder</p> <p>Part of 'Baltic-Bolt Seas, Tho Fish, Flounder'.</p> <p>GLK: M</p>	<p>Otterlind, G. (1958) 583574  <u>Ann.biol., Copenhagen, (13):123</u>  Swedish investigations on flatfish</p> <p>Part of 'Baltic-Bolt Seas, Tho Fish, Flatfish'.</p> <p>GLK: M</p>
<p>Sadowski, S. (1958) 583572  <u>Ann.biol., Copenhagen, (13):120</u>  Length and age composition of the flounder in Gdansk Bay in 1954-1956</p> <p>Part of 'Baltic-Bolt Seas, Tho Fish, Flounder'.</p> <p>GLK: M</p>	<p>Jonson, Aa.J.C. (1958) 583575  <u>Ann.biol., Copenhagen, (13):123</u>  Forecast of the yield of the silver-eel fishery</p> <p>Part of 'Baltic-Bolt Seas, Tho Fish, Eel'.</p> <p>GLK: MF</p>
<p>Kändler, R. (1958) 583573  <u>Ann.biol., Copenhagen, (13):121-3</u>  Gorman investigations. Gadidae and flatfish caught with the standard trawl in May and October 1956 in the Western Baltic</p> <p>Part of 'Baltic-Bolt Seas, Tho Fish, Flatfish'.</p> <p>GLK: M</p>	<p>Sahlin, S. (1958) 583576  <u>Ann.biol., Copenhagen, (13):123</u>  Tagging of silver eels</p> <p>Part of 'Baltic-Bolt Seas, Tho Fish, Eel'.</p> <p>GLK: MF</p>

Furnostin, J. (1958) 583577  
Ann.biol., Copenhagen, (13):124  
Comité Atlantique. Introduction  
(Atlantic Committee. Introduction)

GLK: M

Furnostin, M.-L. (1958) 583578  
Ann.biol., Copenhagen, (13):124-5  
Chaetognaths et zooplancton du secteur  
Atlantique Marocain (Chaetognaths  
and zooplankton of the Atlantic section  
bordering Morocco)  
Part of 'Comité Atlantique, Les  
Conditions de Milieu, Hydrologie et  
Plancton'.

GLK: M

Pérès, J.M. (1958) 583579  
Ann.biol., Copenhagen, (13):126  
Nouvelles plongées du bathyscaphe F.N.R.  
S.III (New submersions of the  
bathyscaphe F.N.R.S.III)

Part of 'Comité Atlantique, Les  
conditions de Milieu, Hydrologie et  
Plancton'.

GLK: M

Le Dantec, J. (1958) 583580  
Ann.biol., Copenhagen, (13):126-7  
Quelques observations relatives à  
l'action du froid sur les huîtres  
(Some observations on the effect of  
cold temperature on oysters)

Part of 'Comité Atlantique, Les  
conditions de Milieu, Hydrologie et  
Plancton'.

GLK: M

Rollofson, G. (1958) 583581  
Ann.biol., Copenhagen, (13):128  
Gadoid fish. Introduction

GLK: M

Hanson, P.M. (1958) 583582  
Ann.biol., Copenhagen, (13):128-30  
Greenland. Cod fry and small cod in  
coastal waters and on the offshore  
banks of West Greenland, 1956

Part of 'Gadoid Fish, Young Stages'.

GLK: M

Dannovig, A. (1958) 583583  
Ann.biol., Copenhagen, (13):130-1  
Norwegian Skagerrak coast. Cod, whiting  
and pollack

Part of 'Gadoid Fish, Young Stages'.

GLK: M

Hanson, P.M. & A. Moyer (1958) 583586  
Ann.biol., Copenhagen, (13):132-9  
Greenland stock. Cod investigations in  
the coastal waters and on the offshore  
banks of West Greenland in 1956

Part of 'Gadoid Fish, Commercial Fish,  
Cod'.

GLK: M

Knudsen, J. (1958) 583584  
Ann.biol., Copenhagen, (13):131-2  
Danish waters. Cod

Part of 'Gadoid Fish, Young Stages'.

GLK: M

Jónsson, J. & A. Moyer (1958) 583587  
Ann.biol., Copenhagen, (13):139-40  
Iceland stock. On the stock of spawning  
cod in 1956

Part of 'Gadoid Fish, Commercial Fish,  
Cod'.

GLK: M

Knudsen, J. (1958) 583585  
Ann.biol., Copenhagen, (13):132  
Danish waters. Whiting

Part of 'Gadoid Fish, Young Stages'.

GLK: M

Maslov, N. & A. Moyer (1958) 583588  
Ann.biol., Copenhagen, (13):141-6  
Arcto-Norwegian stock. Soviet  
investigations into the biology of  
gadoid fish in the Barents Sea. German  
investigations

Part of 'Gadoid Fish, Commercial Fish,  
Cod'.

GLK: M

Rutkiewicz, S. (1958) 583589  
Ann.biol., Copenhagen, (13):147-8.  
Baltic stock. Age composition of cod in  
Polish catches, in Gdansk deep and  
Gdansk Bay, 1946-1956

Part of 'Gadoid Fish, Commercial Fish,  
Cod'.

GLK:

M

Moyor, A. (1958) 583592  
Ann.biol., Copenhagen, (13):150  
Iceland stock. German investigations

Part of 'Gadoid Fish, Commercial Fish,  
Haddock'.

GLK:

M

Domentjeva, T. (1958) 583590  
Ann.biol., Copenhagen, (13):148  
Age composition of the commercial stock  
of cod in 1956 and estimated number of  
young fish

Part of 'Gadoid Fish, Commercial Fish,  
Cod'.

GLK:

M

Moyor, A. (1958) 583593  
Ann.biol., Copenhagen, (13):151  
Arcto-Norwegian stock. German  
investigations

Part of 'Gadoid Fish, Commercial Fish,  
Haddock'.

GLK:

M

Otterlind, G. (1958) 583591  
Ann.biol., Copenhagen, (13):149-50  
Swedish cod tagging in the Baltic

Part of 'Gadoid Fish, Commercial Fish,  
Cod'.

GLK:

M

Jones, R. A. Main (1958) 583594  
Ann.biol., Copenhagen, (13):151-3  
Faroe stock. Scottish investigations

Part of 'Gadoid Fish, Commercial Fish,  
Haddock'.

GLK:

M

Sahrhago, D. (1958) 583595  
Ann.biol., Coponhague, (13):153-5  
North sea stock. German investigations

Part of 'Gadoid Fish, Commercial Fish,  
Haddock'.

GLK: M

Schmidt, U. (1958) 583598  
Ann.biol., Coponhague, (13):157-60  
Iceland stock. German commercial landings

Part of 'Gadoid Fish, Commercial Fish,  
Saitho'.

GLK: M

Jones, R. & W. Main (1958) 583596  
Ann.biol., Coponhague, (13):156  
North Sea stock. British statistics

Part of 'Gadoid Fish, Commercial Fish,  
Haddock'.

GLK: M

Maslov, N. (1958) 583599  
Ann.biol., Coponhague, (13):160-3  
Arcto-Norwegian stock. Soviet  
investigations

Part of 'Gadoid Fish, Commercial Fish,  
Saitho'.

GLK: M

Fridriksson, A. (1958) 583597  
Ann.biol., Coponhague, (13):156-7  
Iceland stock. Remarks on the young  
saitho off the north coast of Iceland  
in 1956

Part of 'Gadoid Fish, Commercial Fish,  
Saitho'.

GLK: M

Schmidt, U. (1958) 583600  
Ann.biol., Coponhague, (13):164-5  
Arcto-Norwegian stock. German landings

Part of 'Gadoid Fish, Commercial Fish,  
Saitho'.

GLK: M

Jones, R. & W. Main (1958) 583601  
Ann.biol., Copenhagen, (13):166  
North Sea stock. British statistics

Part of 'Gadoid Fish, Commercial Fish,  
Whiting'.

GLK:

M

Shutova-Korzh, I.V. (1958) 583604  
Ann.biol., Copenhagen, (13):169  
The herring stock in the southern  
Barents Sea in 1956

Part of 'Herring, A. Distant Northern  
Seas, Commercial Fish'.

GLK:

M

Aason, O. (1958) 583602  
Ann.biol., Copenhagen, (13):167  
Herring - Introduction

GLK:

M

Wilson, A.P. (1958) 583605  
Ann.biol., Copenhagen, (13):170-2  
Tagging experiments

Part of 'Herring, A. Distant Northern  
Seas, Commercial Fish'.

GLK:

M

Yudanov, J. (1958) 583603  
Ann.biol., Copenhagen, (13):168  
Investigations of the nursery areas of  
the Atlanto-Scandian herring in 1956

Part of 'Herring, A. Distant Northern  
Seas, Young Stages'.

GLK:

M

Fridriksson, A. (1958) 583606  
Ann.biol., Copenhagen, (13):173-6  
The Icelandic north coast herring in  
1956

Part of 'Herring, A. Distant Northern  
Seas, Commercial Fish'.

GLK:

M

Aason, O. (1958) 583607  
Ann.biol., Copenhagen, (13):176-8  
Norwegian herring investigations in the  
Norwegian Sea 1956

Part of 'Herring, A. Distant Northern  
Seas, Commercial Fish'.

GLK: M

Østvedt, O.J. (1958) 583610  
Ann.biol., Copenhagen, (13):180-1  
Length, age, and spawning groups of the  
Norwegian winter herring 1956

Part of 'Herring, B. Near Northern  
Seas, Commercial Fish'.

GLK: M

Tåning, A.V. (1958) 583608  
Ann.biol., Copenhagen, (13):179  
Occurrence of herring north and north-  
east of the Faroes

Part of 'Herring, A. Distant Northern  
Seas, Commercial Fish'.

GLK: M

Dragesund, O. (1958) 583611  
Ann.biol., Copenhagen, (13):181-2  
Norwegian tagging experiments in 1956

Part of 'Herring, B. Near Northern  
Seas, Commercial Fish'.

GLK: M

Hempel, G. (1958) 583609  
Ann.biol., Copenhagen, (13):179  
Larvae in the southern North Sea 1955  
and 1956

Part of 'Herring, B. Near Northern Seas,  
Young Stages'.

GLK: M

McPherson, G. (1958) 583612  
Ann.biol., Copenhagen, (13):182  
O- and I- group, Scotland 1955-56

Part of 'Herring, B. Near Northern  
Seas, Commercial Fish'.

GLK: M

Parrish, B.B. & al. (1958) 583613  
Ann.biol., Copenhagen, (13):183-92  
Scottish fisheries 1956

Part of 'Herring, B. Near Northern  
Seas, Commercial Fish'.

GLK:

M

Zijlstra, J. (1958) 583616  
Ann.biol., Copenhagen, (13):198-204  
The herring fisheries in the  
Netherlands in 1956

Part of 'Herring, B. Near Northern Seas,  
Commercial Fish'.

GLK:

M

Schubert, K. (1958) 583614  
Ann.biol., Copenhagen, (13):192-7  
Survey of the German commercial herring  
fisheries and the biological conditions  
of the stocks

Part of 'Herring, B. Near Northern  
Seas, Commercial Fish'.

GLK:

M

Gilis, Ch. (1958) 583617  
Ann.biol., Copenhagen, (13):205-9  
The Belgian herring fisheries in 1956-  
1957 (30 July 1956 - 19 January 1957)

Part of 'Herring, B. Near Northern  
Seas, Commercial Fish'.

GLK:

M

Madson, K.P. (1958) 583615  
Ann.biol., Copenhagen, (13):193  
Young herring from the Bløden ground  
area

Part of 'Herring, B. Near Northern  
Seas, Commercial Fish'.

GLK:

M

Jonson, Aa.J.C. (1958) 583618  
Ann.biol., Copenhagen, (13):209  
Larvae in the Kattegat and the Belt Sea

Part of 'Herring, C. Baltic-Belt Seas,  
Young Stages'.

GLK:

M

Jenson, Aa.J.C. (1958) 583619  
Ann.biol., Copenhagen, (13):210-2  
Investigations on small, immature, and  
adult herring  
  
Part of 'Herring, C. Baltic-Bolt Seas,  
Commercial Fish'.

GLK:

M

Biryukov, N. (1958) 583622  
Ann.biol., Copenhagen, (13):215  
Distribution of pre-spawning spring  
spawning herring in Gdansk Bay in  
relation to the thermocline  
  
Part of 'Herring, C. Baltic-Bolt Seas,  
Commercial Fish'.

GLK:

M

Otterlind, G. (1958) 583620  
Ann.biol., Copenhagen, (13):213-5  
Preliminary results of Swedish herring  
tagging experiments in the Baltic  
  
Part of 'Herring, C. Baltic-Bolt Seas,  
Commercial Fish'.

GLK:

M

Solotskaja, A. (1958) 583623  
Ann.biol., Copenhagen, (13):216-7  
Age composition and numerical strength  
of spring spawning herring in the Bay of  
Vistula  
  
Part of 'Herring, C. Baltic-Bolt Seas,  
Commercial Fish'.

GLK:

M

Popiel, J. (1958) 583621  
Ann.biol., Copenhagen, (13):215  
Composition of the herring stock in the  
southern Baltic  
  
Part of 'Herring, C. Baltic-Bolt Seas,  
Commercial Fish'.

GLK:

M

Rannak, L. (1958) 583624  
Ann.biol., Copenhagen, (13):217  
Age composition of herring in the Gulf of  
Pärnu in spring 1956  
  
Part of 'Herring, C. Baltic-Bolt Seas,  
Commercial Fish'.

GLK:

M

Cuesta, J. (1958) 583625  
Ann.biol., Copenhagen, (13) 218  
Sardine - Introduction

Tiago de Oliveira, J. & 583628  
Santos Pinto (1958)  
Ann.biol., Copenhagen, (13):226  
Le poids moyen de la sardine dans les  
années 1952-1956 (The medium weight  
of the sardine during the years 1952-  
1956)

Part of 'Sardine, Commercial Fish'.

GLK: M

GLK: M

Lotacornoux, R. (1958) 583626  
Ann.biol., Copenhagen, (13)  
Sardine. Composition du stock en 1956  
dans la région de La Rochelle  
(Stock composition in the La Rochelle  
region during 1956)

Part of 'Sardine, Commercial Fish'.

GLK: M

Jensen, Aa.J.C. (1958) 583629  
Ann.biol., Copenhagen, (13):227-8  
Sprat. Danish investigations in the  
Skagerrak and northern Kattegat

Part of 'Sardine, Commercial Fish'.

GLK: M

Ramalho, A. de M. & J. 583627  
Santos Pinto (1958)  
Ann.biol., Copenhagen, (13)  
La sardine de la côte du Portugal en  
1955-1956 (The sardine from the  
coast of Portugal in 1955-1956)

Part of 'Sardine, Commercial Fish'.

GLK: M

Jensen, Aa.J.C. (1958) 583630  
Ann.biol., Copenhagen, (13):228-9  
The sprat in the Belts and Westernmost  
Baltic

Part of 'Sardine, Commercial Fish'.

GLK: M

Elwertowski, J. (1958) 583631

Ann.biol., Copenhagen, (13):229

The sprat in the southern Baltic

Part of 'Sardine, Commercial Fish'.

GLK:

M

Howells, G. (1958) 583634

Ann.biol., Copenhagen, (13):233

Salmon stocks. Research on the physiology of salmon and sea trout

Part of 'Salmon and Trout'.

GLK:

MF

Swain, A. & W.G. Hartley (1958) 583632

Ann.biol., Copenhagen, (13):231-2

England and Wales. Salmon and sea trout experiments, river Coquet, Northumberland, and East Anglia

Part of 'Salmon and Trout'.

GLK:

MF

Allan, I.R.H. (1958) 583635

Ann.biol., Copenhagen, (13):233

Anaemic disease in rainbow trout

Part of 'Salmon and Trout'.

GLK:

MF

Hartley, W.G. (1958) 583633

Ann.biol., Copenhagen, (13):232-3

Salmon stocks. Salmon and sea trout caught at sea

Part of 'Salmon and Trout'.

GLK:

MF

Kändler, R. (1958) 583636

Ann.biol., Copenhagen, (13):233-4

Germany. Number of salmon landed at Kiel fish market in 1955 and 1956

Part of 'Salmon and Trout'.

GLK:

MF

Pyöfinch, K.A. (1958) 583637  
Ann.biol., Copenhagen, (13):234  
Scotland. Tagged kelt recaptured off  
Greenland  
  
Part of 'Salmon and Trout'.

GLK: MF

Dannovig, A. (1958) 583640  
Ann.biol., Copenhagen, (13):236  
Lobster production in Norway  
  
Part of 'Shellfish, Crustacea'.

GLK: M

Guosta, J. (1958) 583638  
Ann.biol., Copenhagen, (13) 234  
Salmon and Trout. Spain  
  
Contents as per title.

GLK: MF

Korringa, P. (1958) 583641  
Ann.biol., Copenhagen, (13) 236-8  
Oyster. Larvae and spatfall of oysters  
in the Oosterschelde (Netherlands) in  
1956  
  
Part of 'Shellfish, Mollusca'.

GLK: M

Alm, G. (1958) 583639  
Ann.biol., Copenhagen, (13) 234-5  
Salmon and trout. Sweden  
  
Contents as per title.

GLK: MF

Korringa, P. (1958) 583642  
Ann.biol., Copenhagen, (13) 238-41  
Oyster. The quality of marketable  
oysters from the Zealand waters in 1956  
  
Part of 'Shellfish, Mollusca'.

GLK: M

Korringa, P. (1958) 583643  
Ann. biol., Copenhagen, (13):241-3  
 Mussel. The quality of marketable  
 mussels from the Dutch Waddons in 1956  
 Part of 'Shellfish, Mollusca'.

GLK: M

Fauré-Fremiet, E. (1958) 583646  
Hydrobiologia, 10:38-42  
 Le cilié hétérotriche Condyllostoma  
tardum Penard (The heterotrichous  
 ciliate Condyllostoma tardum Penard)

Description of the form & of its  
 variability.

FAO:glk F

Union Géodésique et Géophysique 583644  
 Internationale (1958)  
Paris, 161-92  
 Chronique de l'U.G.G.I. no. 14  
 (I.U.G.G. Chronicle)

Contains summary account of symposia  
 under the aegis of AIMPA on Antarctic  
 Meteorology & on Monsoons. The  
 communications to the latter symposium  
 are summarised.

FAO:glk M

Fauré-Fremiet, E. (1958) 583647  
Hydrobiologia, 10:43-8  
 Le cilié Condyllostoma tenuis n.sp. et  
 son algue symbiote (The ciliate  
Condyllostoma tenuis n.sp. and its  
 symbiotic alga)

Description of the ciliate & of a  
 chlamydomonad constantly present in its  
 cytoplasm.

FAO:glk F

Deflandre, G. (1958) 583645  
Hydrobiologia, 10:2-37  
 Eugène Penard (1855-1954) - Correspon-  
 dance et souvenirs. Bibliographie et  
 bilan systématique de son oeuvre  
 (Eugène Penard (1855-1954) -  
 Correspondence and memento. Bibliography  
 and systematic account of his work)

Biographical note with list of  
 publications & of all names erected by  
 Penard.

FAO:glk F

Lefèvre, M. & G. Farrugia (1958) 583648  
Hydrobiologia, 10:49-65  
 De l'influence, sur les algues d'eau  
 douce, des produits de décomposition  
 spontanée des substances organiques  
 d'origine animale et végétale (On the  
 influence, on freshwater algae, of the  
 products of spontaneous decomposition of  
 organic substances of animal & vegetal  
 origin)

Some fish & some algae were allowed to  
 decompose in separate containers for a  
 period of 3 months; solutions of the  
 decomposition products were added to  
 containers with various algae & the

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(Card 2)

effects of the products, singly & jointly, on the growth & other characteristics of the experimental algae, were observed. The implications for natural situations are discussed.

FAO:glk

F

Štěpánek, M. & J. Jiří (1958) 583652  
Hydrobiologia, 10:138-56  
Diffflugia gramen Penard, Diffflugia gramen var. achlora Penard and Diffflugia gramen f. globulosa f.n.

2 forms of the genus Diffflugia were compared on basis of morphometrical & statistical analyses & a new form of the sp. Diffflugia gramen was described.

FAO:glk

F

Christen, H.R. (1958) 583650  
Hydrobiologia, 10:66-84  
Neue und wenig bekannte Flagellaten aus dem Hauserssee (Schweiz) (New and little known flagellates from Hauser Sea (Switzerland) )

New spp.: Cryptomonas globosa, Amphidinium skujae, Cyranodinium titubans, Peridinium sphaeroideum, Petalomonas pygmaea, Petalomonas elongata, Anisonoma hexagonale, Carteria huberi, Chlamydomonas deludens, Chlamydomonas opisthostigma & C. crassa.

FAO:glk

F

Ducker, S.C. (1958) 583653  
Hydrobiologia, 10:157-74  
A new species of Basycladia on Australian freshwater turtles

A new sp. of the genus Basycladia is described. It occurs on the Australian freshwater turtle, Chelodina longicollis (Shaw). The classification & affinities of the genera Basycladia & Dermatophyton are discussed. Both genera are placed in the family Arnoldiellaceae, order Cladophorales.

FAO:glk

F

van Oye, P. (1958) 583651  
Hydrobiologia, 10:65-137  
Etude sur les rhizopodes des marais du sud-ouest d'Uvira (Congo-belge) (Study of the rhizopods of the marshes of the south-west of Uvira, Belgian Congo)

Notes on each of the genera Arcella, Diffflugia, Centropyxis, Cyclopyxis, Holcopera, Nobela, Jungia, Hyalosphenia, Euglypha, Assulina, Corythion, Trinema & Amphitrema, & on 37 spp. of these genera; with general discussion of the biogeography of these rhizopods.

FAO:glk

F

Järnfeldt, H. (1958) 583654  
Hydrobiologia, 10:175-97  
Über die vertikale Tag- und Nachtverteilung des Planktons im Lohjanjärvi (On the vortical day and night distribution of plankton in Lohjanjärvi)

Tabulation & illustration of the density of numerous planktonic forms at various levels at various times of the day & discussion of the evidence on movements.

FAO:glk

F

Thomas, R. (1958) 583655  
Hydrobiologia, 10:198-214  
 Le genre Plagiopyxis Penard (The  
 genus Plagiopyxis Penard)

Diagnosis & morphology of the genus, &  
 description, with dimensions, ecology  
 & distribution, of its spp.

FAO:glk

F

Lumbye, J. (1958) 583658  
Hydrobiologia, 10:245-62  
 The oxygen consumption of Theodoxus  
fluviatilis (L.) and Potamopyrgus  
jonkinsi (Smith) in brakish and fresh  
 water

Experimental measurement of oxygen  
 consumption at different oxygen tensions  
 of the wator, at different temperature  
 & at different salinities; comparison  
 of the spp. & discussion of the  
 significance of the differoncs.

FAO:glk

MF

Dubois, J.Th. (1958) 583656  
Hydrobiologia, 10:215-40  
 Evolution de la température de l'oxygène  
 dissous et de la transparence dans la  
 baie nord du lac Tanganika (The  
 evolution of temperature, dissolved  
 oxygen & of transparency in the northern  
 bay of lake Tanganyika)

Detailed tabulation of results obtained  
 over a 15-month period & discussion of  
 changes in these characteristics.

FAO:glk

F

Dussart, B. (1958) 583659  
Hydrobiologia, 10:263-92  
 Remarques sur le genre Cyclops s.str.  
 (Crust.cop.) (Remarks on the genus  
Cyclops s.str., Crust.cop.)

Discussion of several spp. & sub-spp.  
 by measurement & biometrical analysis of  
 numerous charactors with a view to  
 elucidating the parentage of the forms  
 considered & to eventual revision of the  
 systematics of the group.

FAO:glk

F

Bourrelly, P. (1958) 583657  
Hydrobiologia, 10:241-4  
 Une nouvelle espèce d'Euglène, Euglena  
penardii (A new species of Euglena,  
Euglena penardii)

Account of the features of this sp.,  
 from the Camargue, & comparison with  
 related spp.

FAO:glk

F

Chardez, D. (1958) 583660  
Hydrobiologia, 10:293-304  
 Etude sur les thecamoebions d'une  
 petite pièce d'eau (Study of the  
 thecamobae of a small body of water)

Description of the biotope & of the  
 characteristics of theoretical zones;  
 list of spp. & varietics, & observations  
 on these.

FAO:glk

F

Grospietsch, T. (1958) 583661  
Hydrobiologia, 10:305-22  
 Beiträge zur Rhizopodenfauna Deutschlands  
 I. Die Thekamöben der Rhön  
 (Contribution to the rhizopod fauna of  
 Germany. I. The Thecamobae of the Röhn)

Systematic review of the forms found,  
 detailed listing of the numbers of each  
 sp. taken at each sampling station,  
 remarks on the spp.

FAO:glk

F

Costlow, J.D., Jr. & 583664  
 C.G. Bookhout (1958)  
Biol.Bull., Woods Hole, 114:284-95  
 Larval development of Balanus amphitrite  
 var. denticulata Broch reared in the  
 laboratory

Laboratory studies on earlier life  
 history (from eggs through naupliar  
 & cyprid stages) on individually reared  
 larvae.

FAO:tl

M

Gessner, F. & F. Pannier (1958) 583662  
Hydrobiologia, 10:323-51  
 Der Sauerstoffverbrauch der Wasser-  
 pflanzen bei verschiedenen Sauerstoff -  
 spannungen (The oxygen consumption of  
 water plants at various oxygen tensions)

Experimental results, using both fresh-  
 water & marine plants, at very low &  
 very high oxygen tensions, & discussion  
 of the factors affecting oxygen  
 consumption.

FAO:glk

MF

Davis, H.C. (1958) 583665  
Biol.Bull., Woods Hole, 114:296-307  
 Survival and growth of clam and oyster  
 larvae at different salinities

Re-investigation on the effect of  
 salinity on development of fertilized  
 eggs & survival & growth of free-  
 swimming larvae of American oyster,  
Crassostrea virginica, & hard clam,  
Venus morconaria.

FAO:tl

MF

Marlier, G. (1958) 583663  
Hydrobiologia, 10 352-85  
 Recherches hydrobiologiques au lac Tumba  
 (Hydrobiological researches on lake  
 Tumba)

Account of geography, shores & bathy-  
 metry, physical & chemical conditions,  
 fauna (incl. fishes), flooded zone,  
 economic aspects, origin.

FAO:glk

F

Ekberg, D.R. (1958) 583666  
Biol.Bull., Woods Hole, 114:308-16  
 Respiration in tissues of goldfish  
 adapted to high and low temperatures

Studies of oxygen consumption by gold-  
 fish, Carassius auratus, at different  
 temperatures.

FAO:tl

F

Fingorman, M. & M.E.Lowe (1958) 583667  
Biol.Bull., Woods Hole, 114:317-33  
Stability of the chromatophorotropins of  
the dwarf crayfish, Cambarollus shufeldti  
and their effects on another crayfish

Contents as per title.

FAO:tl

F

Moulton, J.M. (1958) 583670  
Biol.Bull., Woods Hole, 114:357-74  
The acoustical behaviour of some fishes  
in the Bimini area

Recording of marine sounds in nature &  
identification of certain sounds with  
those made by identified spp. in  
laboratory experiments.

FAO:tl

M

Gross, W.J. (1958) 583668  
Biol.Bull., Woods Hole, 114:334-47  
Potassium and sodium regulation in an  
intertidal crab.

Investigations of the exchange of blood  
sodium & potassium by changing osmotic  
pressure in Pachygrapsus crassipos.

FAO:tl

M

Provasoli, L. (1958) 583671  
Biol.Bull., Woods Hole, 114:375-84  
Effect of plant hormones on Ulva

Determination of whether Ulva would  
grow in mineral media or would require  
organic factors.

FAO:tl

M

McFarland, W.N. & F.W.Munz (1958) 583669  
Biol.Bull., Woods Hole, 114:348-56  
A re-examination of the osmotic  
properties of the Pacific hagfish,  
Polistotrema stouti

Determination of whether the blood of  
the fish is isotonic or hypertonic to  
the external medium over a range of  
concentrations.

FAO:tl

M

Rugh, R. (1958) 583672  
Biol.Bull., Woods Hole, 114:385-93  
The so-called "recovery" phenomenon and  
"protection" against X-radiation at the  
cellular level

Study of the possible "protective"  
value of cysteinamine followed by X-  
radiation & prior to fertilization of  
the Arbacia egg, & its possible effect  
on the "recovery" phenomenon.

FAO:tl

M

Young, R.S. (1958) 583673  
Biol.Bull., Woods Hole, 114:394-403  
Development of pigment in the larva of  
the sea urchin, Lytechinus variegatus

Attempt to determine the embryonic  
origin of the oochromochrome-forming cells  
& study of the intracellular mechanism  
of Lytechinus variegatus, affecting  
ochromochrome synthesis.

FAO:tl

M

Davis, J.J. & R.F. Foster (1958) 583676  
Ecology, 39:530-5  
Bioaccumulation of radioisotopes  
through aquatic food chains

Describes some of the mechanisms  
involved in the accumulation of radio-  
isotopes by aquatic organisms, with  
special reference to food webs &  
metabolic rates, & presents some  
examples of how the concentration of  
radioisotopes in organisms can be used  
to measure relationships between  
different spp.

FAO:glk

F

McAlister, W.H. (1958) 583674  
Ecology, 39:477-82  
The correlation of coloration with  
social rank in Gambusia hurtadoi

Laboratory reared animals were placed,  
in groups, in separate aquaria & their  
coloration, correlated with social rank,  
was observed & recorded. Individuals  
were transferred from aquarium to  
aquarium & changes in coloration of the  
transferred & non-transferred  
individuals were noted.

FAO:glk

F

Flanders, S.E. (1958) 583677  
Ecology, 39:545-7  
The Ephostia-Idochthis ecosystem for  
illustrating population dynamics

Description of a laboratory established  
system, with characteristics of a  
permanent self-sustaining community,  
based on artificially sustained supply  
of non-living food.

FAO:glk

MF

Mossman, A.S. (1958) 583675  
Ecology, 39:482-6  
Selective predation of glaucous-winged  
gulls upon adult red salmon

Report of field observations of  
Oncorhynchus nerka killed by Larus  
glaucoscons (identification is  
described) & discussion of the cause &  
biological significance of the greater  
vulnerability of the females.

FAO:glk

MF

Sládoček, V. (1958) 583678  
Ecology, 39:547-9  
A note on the phytoplankton-zooplankton  
relationship

Description of the changes in plankton  
populations of a small fish-pond which  
served as a basin for biological  
treatment of industrial wastes from a  
sugar-beet factory.

FAO:glk

F

Slobodkin, L.B. (1958) 583679  
Ecology, 39:550-1  
Meta-models in theoretical ecology

Discussion of 3 broad systems of classification of population phenomena of which models have been formulated; one deals with community stability in terms of food-webs; another with equilibria in terms of age-specific fertility & mortality rates; & the last with equilibria & oscillations in terms of recruitment rates.

FAO:glk

MF

Dexter, R.W. (1958) 583682  
Ecology, 39:560-1  
Voyage of the GALATHEA

Review of 581732.

FAO:glk

M

Wells, H.W. (1958) 583680  
Ecology, 39:556-8  
Feeding habits of Murex fulvosens

Observations on predation observed in a laboratory; description of the method of rate & measurement of the rate of predation.

FAO:glk

M

Takahashi, T. (1958) 583683  
Mem.Fac.Fish.Kagoshima Univ., 6:1-46  
Micro-meteorological observations and studies over the sea

Methods of observation & tabulated data; wind profiles in stable, unstable & neutral conditions; relations between wind velocity & wave characteristics; humidity profiles & measured & calculated evaporation.

FAO:tl

M

Rodhe, W. (1958) 583681  
Ecology, 39:559-60  
The study of lakes

Review of 581057.

FAO:glk

F

Takahashi, T. (1958) 583684  
Mem.Fac.Fish.Kagoshima Univ., 6:47-76  
A physical treatment on the accumulated materials of the annual temperature variation in lakes and ocean

Computation of annual heat exchange & annual mean eddy thermal diffusivity for 17 Japanese lakes & 113 ocean stations around Japan. Geographical distribution of eddy thermal diffusivity for NW Pacific is given.

FAO:tl

MF

Kuroki, T. & M. Chuman (1958) 583685  
Mem.Fac.Fish.Kagoshima Univ., 6:77-81  
(An example of three-dimensional records  
of fish-school attracted by underwater  
lamps). Ni En

Description of the method for three-  
dimensional recording of fish shoals &  
calculation of the size of the stocks  
of Engraulis japonicus & its catching  
rate in the Kagoshima Bay, using the  
three-dimensional records & actual  
catch data.

FAO:t1

M

Kuroki, T. & H. Nakayama (1958) 583688  
Mem.Fac.Fish.Kagoshima Univ., 6:95-8  
(Studies on the fluorescent color-lamps  
for attracting of fish. I.  
Characteristics of these color-lamps and  
their comparisons with incandescent-  
lamps). Ni En

Contents as per title.

FAO:t1

M

Kuroki, T. & Y. Narasako (1958) 583686  
Mem.Fac.Fish.Kagoshima Univ., 6:82-8  
(On the projector of a pipe-harpoon &  
its cable-rope for electrical whale-  
catching). Ni En

Description of the pipe-harpoon projector  
& electrical shocking of hit whales.  
Results of the tests of this method  
given.

FAO:t1

M

Narasako, Y. & M. Kanamori (1958) 583689  
Mem.Fac.Fish.Kagoshima Univ., 6:99-105  
(On the Kagoshima University large-sized  
experiment-tank consisted of twin  
symmetric elliptical circuits).  
Ni En

Consideration of the variable depth of  
the water in the test tank for testing  
of ship models.

FAO:t1

M

Kuroki, T. (1958) 583687  
Mem.Fac.Fish.Kagoshima Univ., 6:89-94  
(Fundamental studies on the relation  
between underwater sound and fish  
behaviour. II. About the sound by ropes  
in water). Ni En

Investigation on the frequencies of  
sounds induced by strung & unstrung  
ropes.

FAO:t1

M

Narasako, Y. (1958) 583690  
Mem.Fac.Fish.Kagoshima Univ., 6:106-8  
(A comparative research on the  
discrepancy observed in the resistance-  
test done with the 2 different types of  
tank - the circulating and the towing -  
under the use of the identical fishing  
vessel model). Ni En

Contents as per title.

FAO:t1

M

Tanoue, T. (1958) 583691  
Mem.Fac.Fish.Kagoshima Univ., 6:109-14  
 (Studies on the relation between the fluctuation in catch and the environmental factors of the principal fishes in Kagoshima Bay. III. On young mackerel). Ni En

Determination of the hydrographical conditions - mainly temperature & salinity - under which best catches of Pneumatophorus tapeinocephalus & P. japonicus are made.

FAO:tl M

Randall, J.E. & C. Ray (1958) 583694  
Sea Frontiers, 4:72-80  
 Bahamian land-and-sea park

Discussion of the recreational value of a marine nature reserve.

SJH:glk M

Satio, K., M. Sameshima & T. Tanaka (1958) 583692  
Mem.Fac.Fish.Kagoshima Univ., 6:153-8  
 (Studies on the uptake of S35 by marine algae. I.). Ni En

Amounts & rates of uptake & their relations to dimensions, weights & physiological states of Ulva pertusa, Hijikia fusiforme, Endarachne binghamiae & Porphyra suborbiculata.

FAO:tl M

Ellis, R. (1958) 583695  
Sea Frontiers, 4:81-7  
 Of ships and herring runs

An account of fisheries research in the North Sea.

SJH:glk M

Anonymous (1958) 583693  
Sea Frontiers, 4:66-71  
 Stepping stone to world peace?

Discussion of current disputes & negotiations concerning extra-territorial fishing.

SJH:glk M

Idyll, C.P. (1958) 583696  
Sea Frontiers, 4:89-100  
 A shocking way to fish!

Account of various techniques of the use of electricity in fishing in marine & fresh waters.

SJH:glk MF

McHugh, J.L. (1958) 583697  
Sea Frontiers, 4:101-7  
Pathfinder of the seas

Biographical note of M.F. Maury.

SJH:glk

M

Senn, H.V. (1958) 583700  
Sea Frontiers, 4:117-21  
Tracking hurricanes at sea

Use of radar.

SJH:glk

M

Bates, D.H., Jr. (1958) 583698  
Sea Frontiers, 4:108-12  
They're found deep

Note on fishing for the big-eye tuna,  
Parathunnus sibi or mebachi.

SJH:glk

M

International Hydrographic 583701  
Bureau (1958)  
Int.hydr.Bull., (9):240-71  
Bulletin for September

Contains notes on activities of the  
Bureau & information on charts, sailing  
directions, lights, tides & currents,  
work carried out & projected, & new  
charts & new editions of charts.

FAO:glk

M

Smith, F.G.Walton (1958) 583699  
Sea Frontiers, 4:113-5  
New research stimulus

Formation of the U.S. National Committee  
on Oceanography.

SJH:glk

M

Park, H.D. (1958) 583702  
Physiol.Zoöl., 31:188-93  
Sensitivity of Hydra tissues to X-rays

Investigation of the effect of 4,500,  
13,000, 25,000 & 30,000 r of X-rays on  
viability, asexual reproduction, &  
differentiation.

FAO:glk

M

Fingerman, M. & T. Aoto (1958) 583703  
Physiol.Zoöl., 31:193-208  
Chromatophorotropins in the crayfish  
Orconectes clypeatus and their relation-  
ship to longterm background adaptation

Experiments to ascertain the influence  
on the chromatophore system of long-  
term adaptation to black & to white  
backgrounds, & to examine the influence  
of adrenalin on red chromataphores.

FAO:glk

MF

Brown, F.A., Jr. (1958) 583706  
Physiol.Zoöl., 31:257-8  
The physiology of fishes  
Review of 570207 & 570208.



FAO:glk

MF

Becker, E.L. & al. (1958) 583704  
Physiol.Zoöl., 31:224-7  
Physiology of marine teleosts. I. Ionic  
composition of tissue

Study to obtain more thorough under-  
standing of the mechanism of water &  
electrolyte balance in marine  
formations presenting tabulations of the  
electrolyte content of various tissues  
& body fluids in marine teleosts.

FAO:glk

M

Tomczak, G. (1958) 583707  
Dtsch.hydrogr.Z., 11:97-109  
Nachweis einer fortschreitenden Welle  
in der südlichen Nordsee (Proof of  
a progressive wave in the southern  
North Sea). En Fr

Investigation of the origin of the  
progressive wave observed on November 4,  
1957 & attribution of it to atmospheric  
conditions.

FAO:glk

M

Becker, E.L. & al. (1958) 583705  
Physiol.Zoöl., 31:228-31  
Physiology of marine teleosts. II.  
Hematologic observations

Studies on the blood & hemocytopoietic  
organs of marine teleosts & of the  
characteristics of the blood results.

FAO:glk

M

Krauss, W. (1958) 583708  
Dtsch.hydrogr.Z., 11:109-12  
Eine Bemerkung zur Abnahme des Salz-  
gehaltes im Suezkanal (A note on the  
decreasing salinity in the Suez Canal).  
En Fr

Theoretical consideration of the rate of  
change of salinity considered in  
relation to general fundamental  
solutions of the equation of diffusion.

FAO:glk

M

Christoph, P. (1958) 583709  
Dtsch.hydrogr.Z., 11:113-24  
 Zur Messung der Fahrt über Grund an  
 Bord von Schiffen (On measuring a  
 ship's speed over ground from board of  
 ships). En Fr

Explains how to assemble an inertial  
 navigation system with the aid of  
 accelerometers, a calculating unit & a  
 2 gyro system that simultaneously  
 indicates the north direction & the  
 horizon.

FAO:glk

M

Fize, A. & R. Serène (1957) 583712  
Mem.Inst.océanogr.Nhatrang, (10):202 p.  
 Les Hapalocarcinidés du Viet-Nam  
 (The Hapalocarcinids of Viet-Nam)

An ill. monograph containing historic  
 information on the known spp., detailed  
 description of 22 spp. followed by  
 observations on color, sexual  
 dimorphism, morphological variations in  
 function of age & habitat. Contains  
 also a note on the host Hoxacoralliaires.

FAO:hr

M

Darbyshire, J. & M. 583710  
 Darbyshire (1958)  
Dtsch.hydrogr.Z., 11:124-9  
 Storm surges in the North Sea

Residuals obtained by subtracting the  
 predicted & astronomical tide from the  
 observed values of water level, after  
 allowing for the statistical  
 barometrical effect were found for  
 Lowestoft & Aberdeen & correlated with  
 meteorological conditions.

FAO:glk

M

Scheffer, V.B. (1958) 583713  
Stanford Univ.Press, California, 179 p.  
 Seals, sea lions and walrusos - A  
 review of the Pinnipedia

An ill. review containing: the  
 characteristics of Pinnipods; evolution  
 of the order Pinnipedia & its families;  
 evolution of the genera, spp. & sub-spp.  
 taxonomic proceduro; systematic  
 account & synoptic key to the genera.

FAO hr

M

Nusser, F. (1958) 583711  
Dtsch.hydrogr.Z., 11:129-30  
 Arctic Sea Ice Conference vom 24. bis  
 27. Februar 1958 in Easton, Maryland,  
 U.S.A. (Arctic Sea Ice Conference,  
 24-27 February, 1958, in Easton,  
 Maryland, U.S.A.)

Report of.

FAO:glk

M

Martin, A.C., R.C. Erickson & 583714  
 J.H. Steenis (1957)  
Circ.U.S.Fish Wildl.Serv., (19):60 p.  
 Improving duck marshes by wood control

Detailed discussion of methods to  
 control aquatic plants (submorgonts are  
 excepted) & woody weeds with specific  
 reference to plants found in the U.S.

FAC wad

Carlander, K.D. (Ed.) (1957) 583715  
Iowa State College, March 25, 1957, 118p.  
Symposium on evaluation of fish  
populations in warm water streams

This volume contains the papers indexed  
583716, 583717, 581718, 583719, 583720,  
583721, 583722, 583723, 583724, 583725,  
583726, 583727, 583728 & 583729, &  
record of discussion on electric  
shocking equipment, reasons for surveys  
& problems of sampling, selection of  
sampling stations, stream classification  
& management.

FAO:glk

F

Purkott, C.A., Jr (1957) 583718  
Symp.on Evaluation of Fish Popul.in Warm  
Wat.Streams, Iowa St.Coll., 25/3/57,  
12-3

A study of the tagged fish present in a  
fishery consus station

Tagged fish were released over a period  
of 61 years & then the ontire population  
was <sup>2</sup>killed by rotenone; the changes in  
length & weight of individual fish were  
studied & ovidence on mobility examined.

FAO:glk

F

Carlander, K.D. (1957) 583716  
Symp. on Evaluation of Fish Popul. in  
Warm Wat. Streams, Iowa St.Coll., 25/3/57,  
1-2

Introduction

Introductory description of the  
purpose of the symposium & its plan.

FAO:glk

F

Muncy, R.J. (1957) 583719  
Symp.on Evaluation of Fish Popul.in Warm  
Wat.Streams, Iowa St.Coll., 25/3/57,  
23-8

Factors affecting hoop net and trap  
catches of channel catfish

Consideration of various aspects of fish  
activity influencng catches taken by  
these nets & causing variation in these  
catches.

FAO:glk

F

Gorking, S.D. (1957) 583717  
Symp.on Evaluation of Fish Popul.in Warm  
Wat. Streams, Iowa St.Coll., 25/3/57,  
2-11

Fish behaviour as related to stable  
stream populations

Discussion of the concept of home  
range, & of the contribution of homing  
& social behaviour to the maintenance  
of stability of stream populations.

FAO:glk

F

Cleary, R. (1957) 583720  
Symp.on Evaluation of Fish Popul.in Warm  
Wat.Streams, Iowa St.Coll., 25/3/57,  
28-30

A comparison of trap net catches and  
angler success on some Iowa streams

Discussion of whether the catch per unit  
effort of the 2 methods may be taken to  
indicate changes in population.

FAO:glk

F

Funk, J.L. (1957) 583721  
Symp.on Evaluation of Fish Popul.in Warm  
Wat.Streams, Iowa St.Coll., 25/3/57,  
31-44  
Relative efficiency and selectivity of  
gear used in the study of fish  
populations in Missouri streams

Calculation of indexes of frequency of  
occurrence of each sp. in the catch  
taken by each type of gear; of number of  
fish captured per unit of effort of each  
gear, & of average weight of each sp.  
caught by each gear, to determine  
selectivity & efficiency in revealing  
true population.

FAO:glk

F

Purkett, C.A., Jr. (1957) 583724  
Symp.on Evaluation of Fish Popul.in Warm  
Wat.Streams, Iowa St.Coll., 25/3/57,  
57-63  
A comparison of stream fish population  
estimates

Comparison of estimates from rotenone  
sampling, & direct estimates with  
electric seine & hoop nets.

FAO:glk

F

Ruhr, C.E. (1957) 583722  
Symp.on Evaluation of Fish Popul.in Warm  
Wat.Streams, Iowa St.Coll., 25/3/57,  
45-52  
Stream survey methods in the southeast

Discussion of the use of seines, nets  
& traps, resol, electric shockers &  
rotenone.

FAO:glk

F

Shetter, D.S. (1957) 583725  
Symp.on Evaluation of Fish Popul.in Warm  
Wat.Streams, Iowa St.Coll., 25/3/57,  
64-70  
Trout stream population study  
techniques employed in Michigan

Population estimate from size classes  
& determination of age composition of  
the population.

FAO glk

F

Harrison, H.M. (1957) 583723  
Symp.on Evaluation of Fish Popul.in Warm  
Wat.Streams, Iowa St.Coll., 25/3/57,  
53-6  
Stream survey methods in Iowa, with a  
special report on rotenoning of the  
Humboldt area

Estimation of populations from marking  
& use of rotenone.

FAO:glk

F

Funk, J.L. (1957) 583726  
Symp.on Evaluation of Fish Popul.in Warm  
Wat.Streams, Iowa St.Coll., 25/3/57,  
85-9  
The Missouri Conservation Commission  
electric seine

Description of the apparatus & its  
operation.

FAO:glk

F

Larimore, W. (1957) 583727  
Symp.on Evaluation of Fish Popul.in Warm  
Wat.Streams, Iowa St.Coll., 25/3/57,  
93-  
Factors influencing the efficiency of the  
electric fish shocker in an Illinois  
stream

Contents as per title.

FAO:glk F

Vatova, A. (1957) 583730  
Nova Thalassia, 2(7):22 p.  
Acque metanifere e valli salse da  
pesca (Methane waters and brackish  
water valli fisheries)

Damage to production due to ammonium  
salts in refuse from methanic wells:  
instance of mortality on account of  
high  $\text{NH}_3$  & increased phytoplankton  
raising alkaline content.

FAO:tjj MF

Buchholz, M.M. & K.D. 583728  
Carlander (Comp.) (1957)  
Symp.on Evaluation of Fish Popul.in Warm  
Wat.Streams, Iowa St.Coll., 25/3/57,  
110-6

An annotated bibliography on factors  
affecting catch per unit effort

Contents as per title.

FAO:glk F

Miholić, S. (1957) 583731  
Bull.sci.Youg., 3:77-8  
Genesis of radioactive waters

Ill. with examples, the geological age  
of sediments with primary radioactivity  
of springs issuing from them & the  
uranium. Contents of deposits of  
diverse origin with secondary increase  
in radioactivity.

FAO:tjj MF

Carlander, K.D. (Comp.) (1957) 583729  
Symp.on Evaluation of Fish Popul.in Warm  
Wat.Streams, Iowa St.Coll., 25/3/57,  
117-8

A bibliography on electric shockers

Contents as per title.

FAO:glk F

FAO. Fisheries Division (1957) 583732  
Rome, 110 p.  
List of films on fisheries and related  
subjects

An annotated list giving size, length,  
language, price, producer & distributor  
of the films. It is a revised &  
augmented edition of the first list  
issued by FAO in May 1953.

FiB:hr MF

Djang, Y.H. (1957) 583733  
News Lett.I.R.C., 6(4):15-20  
Irrigation facilities for rice culture  
in Taiwan

Contents as per title.

FAO:tjj

F

Anonymous (1958) 583736  
Trade News, 10(2):3  
Investigation and management of  
Atlantic salmon in 1957

Introductory comment to 583737 & 583738.

FAO:sjh

MF

Tanizaki, M. & al. (1957) 583734  
Rep.Fac.Fish.Univ.Mie-Tsu, 2:429-36  
A consideration on live transportation  
of rainbow trout Salmo gairdnerii  
iridous G.

Describes & discusses results of  
experiments in wooden tubes, on normal  
O<sub>2</sub> consumption & the effect of polluted  
water on respiration rate, O<sub>2</sub>  
consumption & respiration rate in  
varying flows of running water,  
relation between intensity of pollution  
& frequency of opercular motion &  
analytical data of polluted waters.

WAD:tjj

F

Kerswill, C.J., P.F. Elson & 583737  
M.H.A. Keenleyside (1958)  
Trade News, 10(2):4-18  
Investigation and management of  
Atlantic salmon in 1957. I. The  
research programme

Summary of Canadian activities.

FAO:sjh

MF

Wyrski, K. (1957) 583735  
Deutsch. hydrog. Z., 10(1):1-13  
Die Zirkulation an der Oberfläche der  
südostasiatischen Gewässer (The  
circulation at the surface of the  
southeast Asian waters)

The position of current boundaries is  
discussed.

FAO:tl

M

Burridge, E.W. (1958) 583738  
Trade News, 10(2):19-23  
Investigation and management of  
Atlantic salmon in 1957. II. The  
management programme

Summary of Canadian activities.

FAO:sjh

MF

<p>Ermin, R. (1958) 583739  <u>Balık Balıkçılık</u>, 6(8):1-4          İlmî araştırmalar ve balıkçılarımız          (About the necessity of cooperation          between scientists and fishermen)</p> <p>SJH: MF</p>	<p>Anonymous (1958) 583742  <u>Balık Balıkçılık</u>, 6(8):19-23          Mağra balıklariyle yapılan bir araştırma          (Breeding blind fish for research work)</p> <p>An interview with Miss Perihan Şadoğlu          on her research about crossing blind          fish with another sp., with special          reference to <u>Astyanax mexicanus</u> &amp;  <u>Anoptichthys jordani</u>.</p> <p>SJH:sjh F</p>
<p>Artüz, M.I. (1958) 583740  <u>Balık Balıkçılık</u>, 6(8):7-11          Memleketimiz balıkçılığının dünya ve          akdeniz balıkçılığındaki yeri.II (The          place of Turkish fisheries in the          Mediterranean countries and in the          world.II)</p> <p>Compares the fish landings of the          Mediterranean countries.</p> <p>SJH:sjh M</p>	<p>Gorsky, N.N. &amp; V.I. 583743          Gorskaya (1957)  <u>Moscow</u>, 292 p.          Anglo-Russkii okeanograficheskii slovar          (English-Russian oceanographical          dictionary)</p> <p>Contains about 8000 words used in          hydrology, glaciology, marine biology,          geology &amp; meteorology, fish industry &amp;          hydraulics. Appendix consists of a list          of Russian terms with reference to          corresponding English words in the main          part of the dictionary.</p> <p>GLK:go</p>
<p>Tezel, R. (1958) 583741  <u>Balık Balıkçılık</u>, 6(8):11-5          Boğaziçinde görülen köpüklerle ilgili bir          araştırma (I participated in a          research cruise in the Bosphorus)</p> <p>Work carried out on the nature of          permanent foams observed on the          Bosphorus.</p> <p>SJH:sjh M</p>	<p>Aitchison, J. &amp; J.A.C. 583744          Brown (1957)  <u>Cambridge, University Press</u>, 176 p.          The lognormal distribution with special          reference to its uses in economics</p> <p>This book is a comprehensive treatise on          a statistical distribution of great          importance in a variety of aspects of          the study of fishery dynamics.</p> <p>FAO:sjh MF</p>

Westgate, J. (1958) 583745  
Adm.Rep.Inl.Fish.Calif., (58-2):8 p.  
The relationship between flow and  
usable salmon spawning gravel, Cosumnes  
river, 1956

Outlines procedure & conclusions of  
5 surveys made in June-July 1956, using  
a gerle current metre & tape, as part  
of a program of survey of all king  
salmon spawning areas in California.

WAD:tjj

F

Dobie, J. (1957) 583748  
Invest.Rep.Minn.Bur.Res.Plan., (179):20 p.  
Walleye ponds 1956

Comparative results of management  
procedures of fertilizing according to  
soil fertility in 1954, supplemented in  
1955 by control of predatory insects  
& blue green algae, & intensifying these  
measures in 1956 against results of  
common fertilization according to water  
fertility.

WAD:tjj

F

Van Woert, W. (1957) 583746  
Adm.Rep.Inl.Fish.Calif., (57-19):5 p.  
Time pattern of migration of adult  
salmon and steelhead into the upper  
Sacramento river during the 1956-57  
season, and length-weight relationship  
of Sacramento river steelhead

The fourth of a series of reports  
detailing observations on catches in  
wire mesh fyke nets & at trapping site  
near Fremont weir. Equation of weight  
in ounces & fork length in inches for  
steel head, is formulated.

WAD:tjj

F

Bourrelly, P. (1957) 583749  
Bull.Inst.franç.Afr.noire, 19:1047-1123  
Algues d'eau douce du Soudan français,  
région du Macina (A.O.F.) (Fresh-  
water algae of French Sudan, Macina  
region (F.W.A.) )

A descriptive list of spp.

FAO:hr

F

Skinner, J.E. (1957) 583747  
Adm.Rep.Inl.Fish.Calif., (57-11):16 p.  
Status of the striped bass. Sturgeon  
study and suggestions for its future

Outlines studies on Californian  
populations of this fish during 1954-  
1957. A tagging program, tow net survey,  
pollution studies, age & longevity, &  
losses in gill net fishery. Notes on  
routine operations & comments on future  
program.

WAD:tjj

F

Dahl, I.O. (1957) 583750  
Bull.Inst.franç.Afr.noire, 19:1154-72  
Results from the Danish expedition to  
the French Cameroons, 1949-1950

Description of spp. of the families  
Naididae, Inchytraeidae, Eudrilidae &  
Megascolecidae.

FAO:hr

F

Lamotte, M., G. Lauwarier & J.-L. Perret (1957) 583751  
Bull.Inst.franç.Afr.noire, 19:1313-27  
 Contribution à l'étude des Batraciens de l'ouest africain. V. Le développement larvaire de Rana (Hylarana) albolabris (Contribution to the study of Batrachians of West Africa. V. Larval development of Rana (Hylarana) albolabris)

A study of the larval development & metamorphosis of this sp. Detailed studies of the dental formula & other morphological differences of specimens of different areas indicate possible existence of geographical races.

FAO:hr

F

Woynarovich, E. (1957) 583754  
Dtsch.FischZtg., 4(1):15-6  
 Bedeutung der Carbondüngung von Fischteichen (The importance of carbon-fertilization of fish ponds)

Notes on the usefulness of carbon-fertilization & discussion of the article on the same subject in Dtsch.FischZtg., 2, 1952.

FAO:tl

F

Dekeyser, P.I. (1957) 583752  
Bull.Inst.franç.Afr.noire, 19:1328-57  
 Morphologie et biologie des oiseaux de l'ouest africain. (Notes documentaires). IV. Pélécaniformes (Morphology and biology of West African birds (Documentary notes). IV. Pelicaniforms)

A study of the biogeography, paleontology, biology, domestication & parasitology of the spp. of the families Phalacrocoracidae, Sulidae, Pelecanidae, Phaetontidae and Fregatidae.

FAO:hr

MF

De Angelis, R. (1958) 583755  
Boll.Pesca, 34(1):1-6  
 Per una razionale politica peschereccia (Suggestions for a better policy to promote the Italian fishing industry)

Brief survey of industry covering sea fisheries, inland fisheries, distribution & statistics, with discussions on future programmes.

GLK:tjj

MF

Cadenat, J. (1957) 583753  
Bull.Inst.franç.Afr.noire, 19:1358-75  
 Observations de cétacés, siréniens, chéloniens et sauriens en 1955-56 (Observations of cetaceans, sireneans, chelonians and saurians during 1955-56)

Gives dates, localities & water temperatures of records of spp. of which sizes, weights & other information is also given.

FAO:hr

MF

Olkkonen, E. & E. Palosuo (1957) 583756  
Geophysica, Holsinki, 5(4):5 p.  
 A resistance gauge for measurement of ice pressure

Description of the instruments & some results obtained with it.

FiB:tl

MF

Hela, I. (1957) 583757  
Geophysica, Helsinki, 5(4):9 p.  
The sound channel of the Baltic sea

Analysis of annual variations of  
vertical distribution of the speed of  
sound in the Baltic sea.

FiB:tl M

Anonymous (1958) 583760  
Izvestiia, Oct. 2, 1958  
(Good news (China) ). Ru

In 1949 production of aquatic items  
(fish, oysters, shrimps, sea kale, etc.)  
amounted to 450,000 tons.  
In 1957 it reached the figure of  
2,950,000 tons. This year the output of  
aquatic products will attain 5 million  
tons.

GLK:go M

Lisitzin, E. (1957) 583758  
Geophysica, Helsinki, 5(4):162-75  
Der Wasserstand in der Ostsee als  
Indikator der Strenge des Winters  
(The water level in the Baltic sea as  
an indicator of the severity of the  
winter)

Examination of the correlation between  
winter temperatures & sea level.

FiB:tl MF

Anonymous (1957) 583761  
Progr. Fish-Cult., 19(1):31  
Neutralizing electrostatic charge on  
rolling-mill scale press

Describes the use of 'staticmasters'  
(brushes with strips of radioactive  
polonium) on presses used to prepare  
plastic impressions of fish scales.

FAO:wad MF

Lisitzin, E. (1957) 583759  
Geophysica, Helsinki, 5(4):193-201  
Determination of the slope of the water  
surface in the Gulf of Finland

The annual variation of the slope of  
the water surface in the Gulf of Finland  
is determined on the one hand using  
meteorological & hydrographic data, on  
the other hand on the basis of sea  
level records.

FiB:tl MF

Anonymous (1957) 583762  
Progr. Fish-Cult., 19(1):39  
Various drugs as aids in spawning  
rainbow trout

Describes the results of trials of  
sodium amytal, tricaine methanesulfonate  
(M.S. 222), methyl pentynol, urethane,  
& chlorotone as anesthetics for Salmo  
gairdneri.

FAO:wad F

Goodcke, E. (1958) 583763  
Dtsch.hydrogr.Z., 11(1):1-22  
 Hydrographische Betrachtungen über die regionale Verteilung der mittleren Eisvorbereitungs- und Eisabschmelzzeit in der Deutschen Bucht und der westlichen Ostsee mit Karten (Hydrographic considerations, accompanied by charts, on the regional distribution of the mean preparatory periods of ice generation and ice melting in the German Bight and in the western Baltic sea). En Fr

Charts showing the regional distribution of mean preparatory periods of ice generation & ice melting.

FAO:tl M

Wüst, G. (1957) 583766  
Wiss.Ergebn.dtsch.atlant.Exped.M.T.G.R., 6(2)  
 Stromgeschwindigkeiten und Strommengen in den Tiefen des Atlantischen Ozeans unter besonderer Berücksichtigung des Tiefen- und Bodenwassers (Current speeds & mass transport in the depths of Atlantic Ocean, with special consideration of the deep- & bottom waters)

Contents as per title.

tl M

Walden, H. & J. Piest (1958) 583764  
Dtsch.hydrogr.Z., 11(1):23-6  
 Weitere Überlegungen zur Frage des Wellenspektrums in der Windsee (Further considerations concerning the discussion of ocean wave spectra in the wind-generated sea). En Fr

Without modifying the results of a preceding discussion (580746) the present paper resumes & advances the considerations on the basic assumptions by G. Neumann regarding ocean wave spectra.

FAO:tl M

Höll, K. (1958) 583767  
Walter de Gruyter & Co., Berlin W.35, 191 p.  
 Untersuchung, Beurteilung, Aufbereitung von Wasser (Investigations, judgement, preparation-purification-of water)

F

Krauss, W. (1958) 583765  
Dtsch.hydrogr.Z., 11(1):26-30  
 Neue hydrographische Untersuchungen mit ANTON DOHRN in der Island-See (Recent hydrographic investigations made on board the ANTON DOHRN in the Icelandic Sea (Denmark Strait)). En Fr

Temperature sections, ice boundary & discussion of general circulation in Denmark Strait. Comparison of recent data (1957) with data from 1929-33.

FAO:tl M

Ulubekova, M.V. (1957) 583768  
C.R.Acad.Sci.U.R.S.S. (Transl.), 112 (1-6):32-4  
 Studies of the isotope composition of the oxygen in algal cells in photosynthesis

Reports experiments with Scenedesmus obliquus.

FAO:sjh F

General Fisheries Council for 583769  
the Mediterranean (1958)  
FAO, Rome, 28 p.  
Information Bulletin no. 14

Briefly reports activities of G.F.C.M.,  
of its committees & officers, & of FAO  
Fisheries Division & of other  
international organizations. Notes  
current fisheries developments in  
Mediterranean countries.

FiB:sjh

M

Lucas, C.E. (1957) 583772  
Scot.Fish.Bull., (7):2-7  
Recent work at the Marine Laboratory

Tagging operations on andracial  
investigations of herring; study of  
environment; hydrography & planktonology;  
demersal fishes; study of bottom gear,  
parasites, tagging, shellfish & other  
research.

SJH:glk

M

U.S. Department of the Interior 583770  
Fish & Wildlife Service (1958)  
Fish.Leafl., Wash., (448):11 p.  
Some publications on fish culture and  
related subjects

A short selected bibliography under  
headings: Diseases & Parasites; Life  
Histories; Management & Construction of  
Ponds for Fish Propagation; Nutrition of  
Fish; Propagation of Baits; Propagation  
of Food & Game-Fish; Related Subjects;  
Periodicals.

FAO:sjh

MF

Rao, B.B. (1957) 583773  
Scot.Fish.Bull., (7):14  
Rare animals from the sea

Captures of Architouthis, Ommatostrophus  
sagittatus, Sopha officinalis, Palinurus  
vulgaris & Dermochelys coriacea, in  
Scottish waters in 1956.

SJH:glk

M

Lónier, R. (1958) 583771  
France pêche, 3(21):19-23  
Regards sur la pêche future  
(Prospects on future fishery)

Discussion of prospects of increasing  
fish production & of likely changes in  
the technology of capture & handling of  
fish.

FAO:glk

M

Rao, B.B. (1957) 583774  
Scot.Fish.Bull., (7):15  
Note on the early development of the  
roe in cod

Note on observation of early  
developed roe not followed by early  
spawning.

SJH:glk

M

Japan, Ministry of Education 583775  
Higher Education & Science Bureau  
Scientific Information Section (1958)

Tokyo, 112 p.

Bibliographical list of Japanese  
learned journals - Natural sciences,  
humanities and social sciences

Listed in order of subject covered,  
with bibliographic data for each (2nd  
edition).

FAO:sjh

MF

Anonymous (1958) 583778

Trans.Amer.geophys.Un., 39:601-5  
IGY Bulletin - Arctic sea-ice studies

Description of the programme of  
investigations on the drifting ice  
island station in the Arctic; notes on  
techniques of observations & preliminary  
notes on the results obtained.

TL:tl

M

Schooley, A.H. (1958) 583776  
Trans.Amer.geophys.Un., 39:405-8

Probability distributions of water-wave  
slopes under conditions of short fetch

Slope probability distributions were  
measured for a ca 15 inches fetch in a  
small wind tunnel containing a water  
boundary.

TL:tl

M

Cavendish, A.R.B., Duke of 583779  
Devonshire (1958)

Salm.Trout Mag., (152):6-11  
Paper on the Government water policy  
and its effect on fisheries

Paper presented at the London  
Conference 1957, Fishmongers' Hall,  
November 5 & 6. Explains the White  
Paper of 1944 & the Water Act of 1945,  
& their beneficial & adverse effects.

FAO:tjj

F

Schule, J.J., Jr. & W.I. 583777  
Wittmann (1958)

Trans.Amer.geophys.Un., 39:409-19  
Comparative ice conditions in North  
American Arctic, 1953 to 1955,  
inclusive

Results of systematic aerial ice  
reconnaissance & discussion of the  
origin & development of "centers of  
sea-ice removal".

TL:tl

M

Millis, L. (1958) 583780  
Salm.Trout Mag., (152):12-21

Underground abstraction of water and its  
effect on fisheries

Discusses the effects on the water  
basin, of pump wells & boreholes in the  
sedimentary deposits with special  
reference to Southeast England.

FAO:tjj

F

Barrett, S.G. (1958) 583781  
Salm.Trout Mag., (152):22-37  
Overground abstraction in relation to  
fisheries

Regulation of surface water & flow  
through dams & reservoirs, direct with-  
drawal from rivers & their effects on  
spawning grounds etc., are discussed.  
Assessment of actual damage caused to  
angling prospects is advocated.

FAO:tjj

F

Anonymous (1958) 583782  
Salm.Trout Mag., (152):46-9  
Memorandum from the Salmon and Trout  
Association to the trade effluents.  
Sub-Committee of the Central Advisory  
Water Committee

Stresses the need for effective  
observance of the Rivers Pollution Act  
of 1951.

FAO:tjj

F

Went, A.E.J. (1958) 583783  
Salm.Trout Mag., (152):53-62  
Historical notes on the fisheries of  
the river Slaney in the south-east of  
Ireland

From a 1682 reference, the progressive  
changes in fishing & in stock are  
discussed.

FAO:tjj

F

U.K. Freshwater Biological 583784  
Association (1958)  
80 p.  
Twenty-sixth annual report for the year  
ended 31 March 1958

Incl.: reports of the Council & the  
Director on the scientific work of the  
staff (hydrology, chemistry, bottom  
deposits, algology, mycology,  
bacteriology, invertebrates, fish  
physiology, pollution research);  
account for 1957-58; lists of officers,  
council, staff members; lists papers  
published during 1957 by the staff &  
visiting workers at the laboratory.  
See also 583785.

FAO:wad

F

Marshall, K.E. (1958) 583785  
Rep.Freshw.biol.Ass.Brit.Emp., (26).  
45-8

List of limnological papers published  
in the British Isles in 1957

Titles & references arranged by  
principle division; physics, chemistry,  
meteorology, etc.; microbiology; higher  
plants; algae; fungi; invertebrates;  
fish; & within each division by subject,  
& then by author's names.

FAO:sjh

F

Karpevich, A.F. (1958) 583786  
Zool.Zh., 37:1121-35  
Vyzhivanie, razmnozhenie i dykhanie  
mizidy Mesomysis kowalevskyi (Paramysis  
lacustris kowalevskyi czorn.) v vodakh  
solonovatykh vodocmov SSSR (okologo-  
fiziologicheskoe obosnovanie akklimati-  
zatsii mizid v Aralskom i Baltiiskom  
moriakh i ozere Balkhash) (Survival,  
reproduction & respiration of Mesomysis  
kowalevskyi (Paramysis lacustris  
kowalevskyi czorn.) in brackish waters  
of USSR (Ecological & physiological  
grounds for acclimatizing mysidae in the  
Aral & Baltic seas & in L.Balkhash). En

Describes means, methods & results of

583786  
(Card 2)  
tests for survival, growth & fertility  
of mysidae in relation to degree of  
salinity & salt composition of environ-  
ments.

FAO:go

MF

Pokrovskaya, T.N. (1958) 583788  
Zool.Zh., 37:1181-94  
O prichinakh, obuslovlivaiushchikh  
sovremennoe rasprostraneniye navagi (rod  
Eleginus) (Causes which govern the  
present distribution of Eleginus genus).  
En

Examines the distribution & behaviour  
of these gadidae. States data indicating  
that, owing to spawning requirements,  
Eleginus can inhabit only areas where  
the temperature of coastal water drops  
in winter below 0°C; that the absence of  
this fish in otherwise adequate regions  
is due to want of food resources.

FAO:go

MF

Zalvskii, S.V. (1958) 583789  
Zool.Zh., 37:1195-204  
O morfologicheskoi i biologicheskoi  
obosoblennosti puzanka Dneprovsko-  
Bugskogo limana (Morphological and  
biological peculiarities of Alosa found  
in the Dnioper-Bug lagoon). En

Discusses the classification of this  
particular stock & compares specific  
features of its specimens to similar  
spp. of Caspian & Black sea Alosa  
(Caspialosa). Examines the structure &  
shape of body, roe, spawning habits &  
grounds, behaviour. Concludes that this  
fish is a separate form of Alosa caspia  
normanni Antipa.

FAO:go

MF

Zhuravol, P.A., G.B. Molnikov & 583790  
A.M. Chaplina (1958)  
Zool.Zh., 37:1256-7  
O vazhnom rybopromyslovom znachenii  
sintsa (Abramis ballorus) v riado  
vodokhranilishch v svyazi s kharakterom  
ego pitaniia (Importance for  
commercial fishing of Abramis ballorus  
in a series of water reservoirs in  
connection with its nutrition). En

Stresses the necessity of introducing  
new spp. into bodies of water for a  
more complete utilization of food  
resources. States that the plankton  
eating resident A. ballorus does not

583790  
(Card 2)  
compete for live-food with carp, bream  
& perchpike, & that its nutritive  
value greatly increases with proper  
food resources.

FAO:go

F

Levitskii, P.F. (1958) 583792  
Zool.Zh., 37:1263  
Pitanie voron rybei (Fish falling  
a prey to crows). En

Describes the way, in which crows  
(Corvus corone cornix) catch fish,  
observed on the lower course of the  
Dnioper & the contents of crow  
stomachs. Concludes that crows do not  
constitute a danger to commercial  
fish reserves.

FAO:go

MF

<p>Iiyama, T. (1957) 583793  <u>Asian Aff.</u>, 2(3):302-12  Development of fishing industry in Asia and Japan's cooperation</p> <p>Description of present situation of fisheries, owing to gradual decrease in marine resources in Japanese coastal waters, the number of ocean-going fishing vessels has become excessive. Japan should assist other Asian countries possessing undeveloped water areas in developing their fisheries. Assistance could be given as financial cooperation &amp; technical guidance &amp; be extended as a part of reparation programmes, under the Colombo Plan, or otherwise.</p> <p>:sjh II</p>	<p>Indonesia. Government (1957) 583796  <u>Indon.Bull.</u>, 8(9):9-11  Landbouw- en Visschrijbank  (Agriculture and Fisheries Bank)</p> <p>Government of Indonesia has founded a bank in the form of a limited liability company, the objectives of which include support of fishermen.</p> <p>:sjh II</p>
<p>Mathieu, Y. (1958) 583794  <u>Bull.agric.Congo belge</u>, 49(1):165-81  Les possibilités piscicoles du réseau hydrographique du Bas-Uolo (The possibilities of fish-farming in the lower-Uolo and its affluents)</p> <p>Forest-strips occur along the rivers whose water capacity is irregular. Large industrial pisciculture is therefore difficult, &amp; only small fish ponds are possible. The conditions for these (quality &amp; quantity of water, topography &amp; quality of the soil, vegetation) are analysed.</p> <p>:sjh F</p>	<p>Griffiths, J.F. (1958) 583797  <u>E.Afr.agric.J.</u>, 23(3):179-85  Climatic zones of East Africa</p> <p>10 climatic zones of different regions of East Africa are described &amp; reproduced in a sketch-map.</p> <p>:sjh F</p>
<p>U.N. Economic Commission for Asia &amp; the Far East (1957) 583795  <u>Off.Rec. UNCTAD/DPWP</u>, 3/25, 24 Sept., 1-21  Agricultural development plans: scope and dimensions; organization and administration; difficulties encountered.</p> <p>Pakistan's first 5-year plan (1955-60) gives top priority to the agricultural sector, incl. fishery. Scope &amp; dimension of the plan. Table of the production targets in 1959-60. Potentialities for the development of fisheries are surveyed. Organization &amp; administration. Difficulties encountered.</p> <p>:sjh MF</p>	<p>Matznotter, J. (1958) 583798  <u>Geogr.Rund.</u>, 10(1):17-21  Die Wirtschaftsformen der Kanaroninsel Lanzarote (The shape of economy on the Canary island of Lanzarote)</p> <p>Incl. account of sea fisheries in the sea.</p> <p>:sjh II</p>

Changeux, J.-P. (1958) 583799  
C.R.Acad.Sci., Paris, 247:961-4  
 Quelques caractères biologiques d'un  
 copépode parasite d'Holothurians: Allan-  
togynus delamarei n.g.n.sp. (Some  
 biological characters of a copepod  
 parasitic in Holothurians: Allantogynus  
delamarei n.g.n.sp.)

Preliminary account of the new sp.

FAO:glk

M

Nadezhin, V.M. (1958) 583802  
C.R.Acad.Sci.U.R.S.S., 120:1133-5  
 Vliianie gidrologicheskikh uslovii na  
 kontsentratsii nekotorykh Belomorskikh  
 sel'doi (Effect of hydrological  
 conditions on the concentration of  
 certain White sea herrings)

Description of seasonal behaviour of  
Clupea harengus pallasii natio maris  
 albi, studied in the Kandalaksha &  
 Onega bay of the White sea. Relation  
 of distribution & density of shoals to  
 temperature, currents & food reserves.

FAO:go

M

Kenya. Colony & 583800  
 Protectorate (1958)  
 Govt. Printer, Nairobi, 16 p.  
 Report on Kenya fisheries 1957

General review of departmental  
 activities during the year & of the  
 situation of the fisheries. Work on the  
 fish culture farm & at the trout  
 hatchery; Inland fisheries generally  
 & the trout fishery in particular;  
 marine fishery production, trade,  
 exploratory & experimental work,  
 statistics.

FAO:glk

MF

Konstantinov, A.S. (1958) 583803  
C.R.Acad.Sci.U.R.S.S., 120:1151-4  
 O tipe rosta lichinok khironomid  
 (Type of growth of chironomidae larvae)

Examination of the pattern of  
 individual growth of chironomidae as  
 compared to the previously studied  
 growth pattern of a larval population  
 as a whole. States that the latter  
 follows a sygmoid curve while the  
 former is parabolic. Description of  
 tests performed on 6 spp. & their  
 results.

FAO:go

F

Manuilova, E.F. (1958) 583801  
C.R.Acad.Sci.U.R.S.S., 120:1129-32  
 K voprosu o znachenii chislennosti  
 bakterii v razvitii votvistousykh rachkov  
 v estestvennykh usloviakh  
 (Importance of the quantity of bacteria  
 for the development of Cladocera in  
 natural conditions)

Description of experiments carried out  
 with Cladocera in aquaria, simultaneously  
 with studies on their development in the  
 Rybinsk water reservoir, in relation to  
 the amount of bacteria contained in the  
 water.

FAO:go

F

Rzhepishevskii, I.K. (1958) 583804  
C.R.Acad.Sci.U.R.S.S., 120:1159-61  
 Nekotorye diagnosticheskie priznaki  
 naupliusov trekh vidov balianusov  
 Barentsova moria (Certain  
 diagnostic features of nauplii of three  
Balanus spp. found in the Barents sea)

Description of Barents sea Balanus  
balanoides, B. cronatus & B. balanus at  
 different larval stages. Distinguishing  
 features between spp.: shape of frontal  
 horns, relation between caudal spine &  
 abdominal appendage; between stages:  
 development of spine & appendage,  
 development of shell & eyes.

FAO:go

M

Dotlaf, T.A. (1958) 583805  
C.R.Acad.Sci.U.R.S.S., 120:1165-8  
 Soedinenie gamet v otsutstvie ionov  
 kaltsia u osetrovnykh ryb  
 (Conjugation of gametes in surroundings  
 lacking calcium ions, tested on  
 Acipenseridae)

Description of experiments carried out  
 on Acipenser güldenstädti & A. stellatus  
 eggs in Ca deficient solutions in an  
 attempt to verify the hypothesis that  
 Ca ions are necessary for the passage  
 of sperms into the egg. This proved  
 wrong, but conjugation of gametes did  
 not produce activation of eggs.

FAO:go

M

Miloikovskii, S.A. (1958) 583808  
C.R.Acad.Sci.U.R.S.S., 120:1366-9  
 Razvitie i sezonnaia dinamika  
 chislennosti lichinok belomorskiikh  
Limapontia capitata (Müll.) i Tergipes  
despectus Johnson (Gastropoda, Opistho-  
 branchia) (Development & seasonal  
 numerical variations of larvae of the  
 White sea Limapontia capitata Müll. &  
Tergipes despectus Johnson, Gastropoda,  
 Opisthobranchia)

Describes entire cycle of larval  
 development of both molluscs from  
 plankton samples collected in Volikaia  
 Salma Strait between Kindo & Velikii  
 island. Some specimens were raised in

Ponomareva, L.A. & E.A. 583806  
 Lubny-Gortsyk (1958)  
C.R.Acad.Sci.U.R.S.S., 120:1246-8  
 Kolichestvennosc raspredeleniia planktona  
 v tropicheskikh vodakh zapadnoi chasti  
 Tikhogo okeana (Quantitative  
 distribution of plankton in tropical  
 waters of the W. Pacific)

Study of plankton samples collected in  
 July-October 1957 between Japan & 7°N  
 from 152°E to the Philippines. Gives  
 average weight of living matter per  
 m<sup>3</sup> of water in the upper 100 m layer  
 throughout the explored area.

FAO:go

M

583808  
 (Card 2)  
 aquaria. Relation of reproduction to  
 temperature, phytoplankton development  
 & lunar phases.

FAO:go

M

Konstantinov, A.S. (1958) 583807  
C.R.Acad.Sci.U.R.S.S., 120:1362-5  
 Vliianie temperatury na skorost rosta i  
 razvitiia lichinok khironomid  
 (Effect of temperature on the rate of  
 growth and development of chironomid  
 larvae)

Refers to article (583803) showing that  
 chironomid larvae follow a parabolic  
 pattern of growth. States that size is  
 a power function of age in optimal  
 environments only. Describes tests  
 performed in aquaria on 11 spp. Data  
 on larvae development in relation to  
 temperature.

FAO:go

F

Khlobovich, V.V. (1958) 583810  
C.R.Acad.Sci.U.R.S.S., 120:1370-3  
 Analiz fauny mnogoshchotinkovykh  
 chervei (Polychaeta) litorali Kurilskikh  
 ostrovov (Analysis of the Polychaeta  
 population of the Kuril islands coastal  
 waters)

States that the fauna of this area of  
 F.E. seas is little explored, especially  
 with regard to intertidal spp. Describes  
 the habitat & natural environment of  
 many polychaetes. Gives distribution &  
 corresponding number of spp. classified  
 as: arctic-boreal, amphibo-boreal, N.  
 Pacific, subtropical & bi-polar.

FAO:go

M

Sadov, I.A. (1958) 583811  
C.R.Acad.Sci.U.R.S.S., 120:1374-6  
 O razvitii obolochek ovotsitov osotra,  
 sovriugi i sterliadi (Development  
 of oocytes of Acipenser güldenstädti,  
A. stellatus & A. ruthenus)

Study of the development of the 6 egg  
 envelopes, performed on Acipenseridae  
 roe collected in the r.r. Kura & Volga.  
 Description of experiments & observed  
 behaviour of the different layers in the  
 process of development.

FAO:go

MF

Chubarova, L.A. (1958) 583814  
C.R.Acad.Sci.U.R.S.S., 121:165-8  
 Tsitologicheskoe i tsitokhimicheskoe  
 issledovanie spermatogoneza u rechnoi  
 minogi (Lampetra fluviatilis)  
 (Cytological) cytochemical research on  
 the spermatogenesis of lampreys, L.  
fluviatilis)

Examination of gonads of lampreys of  
 different ages, collected in the river  
 Nova & description of the ontogenetic process  
 of their development, observed on  
 specimens from inch-long larvae to  
 spawners.

FAO:go

MF

Boliatov, G.M., N. G. Vinogradova 583812  
 & Z.A. Filatova (1958)  
C.R.Acad.Sci.U.R.S.S., 121:74-7  
 Tralenie na glubine desiati s polovinoi  
 kilometrov vo vpadine Tonga  
 (Trawling at a depth of 10 1/2 kilometers  
 in the Tonga depression)

Describes procedure, gear & catch  
 obtained in trawling the S. Pacific  
 bottom from the Academy of Sciences  
 research ship VITIAZ in the deepest part  
 of the Tonga depression between the  
 10687m & 10415m marks below the sea  
 level: over 100 animal specimens  
 belonging to 7 classes & 20 spp.  
 discovered.

FAO:go

M

Nikitin, V.N. & E.P. 583815  
 Turpova (1958)  
C.R.Acad.Sci.U.R.S.S., 121:172-4  
 Protsessy obrastaniia v Chernom more -  
 Osedanie lichinok v raione Gelondzhika  
 (The process of incrustation in the  
 Black Sea - Settling of larvae in the  
 Gelondzhik region)

Examination of the process of  
 incrustation formed on ships & hydraulic  
 structures. Description of observations  
 made every 10 days for 3 years on larvae  
 settling on lowered glass panes. Data on  
 monthly averages of the number of larvae  
 in relation to temperature of  
 environments.

FAO:go

M

Tikhomirov, A.I. (1958) 583813  
C.R.Acad.Sci.U.R.S.S., 121:149-51  
 Soishevye techeniia v prolivakh Iakim-  
 varskogo zaliva Ladozhskogo ozera  
 (nabliudeniia 1957 g.) (Seiche  
 currents in the straits of Iakimvara bay  
 of the lake Ladoga - observations during  
 1957)

Describes method applied & registered  
 data on phases of currents produced by  
 seiches, current & wind velocity,  
 temperature of water & air.

FAO:go

F

Kuzin, P.S. (1958) 583816  
C.R.Acad.Sci.U.R.S.S., 121:253-6  
 Geneticheskaiia skhema klassifikatsii rek  
 i gidrologicheskogo raionirovaniia SSSR  
 (Genetic pattern for river classification  
 and subdivision of USSR into hydro-  
 logical regions)

Examination of the natural laws which  
 rule the regime of rivers in connection  
 with geographic position, land-form,  
 nature of water resources, climate.

FAO:go

F

Aloksina, I.A. (1958) 583817  
C.R.Acad.Sci.U.R.S.S., 121:257-9  
 O vzvoshonnykh veshchestvakh v vodakh  
 vostochnoi chasti srodnogo Kaspiia  
 (Suspended matter in the water of the  
 eastern part of the central Caspian)

Describes the procedure followed for  
 collecting samples of suspended matter  
 in the upper layers of the sea, nature,  
 texture & presumed origin of the  
 particles.

FAO:go

M

Romanova, N.N. (1958) 583820  
C.R.Acad.Sci.U.R.S.S., 121:553-6  
 Rasprostraneniye i ekologicheskaya  
 kharakteristika severokaspiiskikh Amphi-  
 poda i Cumacea (Distribution and  
 ecological features of N. Caspian  
 Amphipoda and Cumacea)

Examines 65 spp. divided into 3 groups:  
 freshwater & marine spp., exclusively  
 marine, spp. confined to the central &  
 southern parts of the Caspian. States  
 that most spp. inhabiting the N. Caspian  
 are euryhaline & that quantitative  
 fluctuations connected with riverflow  
 are due to the gas regime & not salinity.  
 FAO:go MF

Semenov, K.I. (1958) 583818  
C.R.Acad.Sci.U.R.S.S., 121:389-92  
 K voprosu ob etapakh razvitiia lichinok  
 osetra (States of sturgeon larvae  
 development)

States that several patterns regarding  
 periods of sturgeon larvae development  
 have been offered for consideration.  
 Describes studies carried out in the  
 Dnieper estuary nurseries on 550  
 specimens of larvae, stating data on  
 development of parts of the body,  
 functioning of organs & behaviour of  
 larvae at different stages.

FAO:go

MF

Lobodova, M.N. (1958) 583821  
C.R.Acad.Sci.U.R.S.S., 121:557-60  
 Kolichestvennoye raspredeleniye gotoro-  
 trofnykh mikroorganizmov v Indiiskom  
 okeane i v prilagaiushchikh moriakh  
 Antarktiki (Quantitative distribution  
 of heterotrophic microorganisms in the  
 Indian ocean & in the contiguous seas of  
 the Antarctic)

Describes tests for heterotrophic  
 bacteria performed on water & silt  
 samples collected between the Antarctic  
 & the Ganges estuary. States that over  
 1200 bacteria cultures are being studied  
 with the object of disclosing the  
 importance of microorganisms for ocean

Raikova, E.V. (1958) 583819  
C.R.Acad.Sci.U.R.S.S., 121:549-52  
 Gistokhimicheskoe issledovanie parazit-  
 cheskoj lichinki Polypodium hydriforme  
 Ussov (Cyclonenterata) (Histological  
 and chemical research on the parasitic  
 larva of Polypodium hydriforme Ussov -  
 Cyclonenterata)

States that the development cycle of  
 this parasite of Acipenseridae is  
 little known. Describes the methods,  
 applied for studying early parasitic  
 stages of Polypodia found in A. ruthenus  
 eggs, the constitution & behaviour of  
 larvae within the egg.

FAO:go

MF

583821  
 (Card 2)  
 water productivity & for determining  
 the origin & dynamics of waters.

FAO:go

M

Svoshnikov, V.A. (1958) 583823  
C.R.Acad.Sci.U.R.S.S., 121:565-8  
Morfologia lichinok nekotorykh Eunicom-  
morpha (Polychaeta) (Morphology of  
larvae of certain Eunicomorpha - Poly-  
chaeta)

Describes methods applied for observing  
the development of microscopic larvae  
& various morphological types of  
Polychaeta larvae, in particular White  
sea Eunicomorpha.

FAO:go

M

Kipp, E.M. (1958) 583826  
Sci.Amer., 198(6):8-10  
/Latter/

Latter referring to 583825 referring  
to the buoyance control of the  
bathyscaph.

FAO:sjh

M

Kirpichnikov, V.S. (1958) 583824  
C.R.Acad.Sci.U.R.S.S., 121:742-5  
Gonoticheskio metody individualnogo  
otbora v karpovodstve (Gonotic  
methods for individual selection in carp  
breeding)

States that the creation of a northern  
strain of carp depends on proper choice  
of a cross between cultivated carp & the  
cold resisting Amur river carp.  
Describes the procedure applied for  
selecting reproducers according to best  
descendance indices, artificial  
fertilization, handling of sperm & roe,  
growth rates of larvae.

FAO:go

F

Manwell, C. (1958) 583827  
Science, 128:419-20  
Ontogeny of hemoglobin in the skate  
Raja binoculata

Study of oxygen equilibrium of  
hemoglobin solutions & erythrocyte  
suspensions - equivalent to blood -  
of this oviparous elasmobranch in  
individuals of various ages.

FAO:glk

M

Dietz, R.S., R.V. Lewis & 583825  
A.B. Rechnitzer (1958)  
Sci.Amer., 198(4):27-33  
The bathyscaph

Ill. popular article incl. short  
description of bathyscaph TRIESTE; note  
on observations made during various  
dives in the Mediterranean.

FAO:ofa

M

Anderson, D.L. & W.F. 583828  
Weeks (1958)  
Trans.Amer.geophys.Un., 39:504  
A theoretical analysis of sea-ice  
strength

Abstr. of paper presented at the 39th  
Annual Meeting, Washington, D.C., May  
5-8, 1958. Discussion of construction  
of sea-ice model from photographs &  
calculation of theoretical ice strength.  
Strength depend strongly on temperature  
& salinity where density is controlling  
factor in very young & very old ice.

TL:efa

M

Austin, T.S. (1958) 583829  
Trans.Amer.geophys.Un., 39:504  
Variations with depth of oceanographic  
properties along the equator in the  
Pacific

Abstr. of paper presented at the 39th  
Annual Meeting, Washington, D.C., May  
5-8, 1958. Gives vertical distribution  
of temperature, salinity, density,  
oxygen & phosphate, sea surface to  
1000 m, & anomaly of dynamic height of  
sea surface.

TL:cfa

M

Borgman, L.E. (1958) 583832  
Trans.Amer.geophys.Un., 39:507  
An algorithm for the ocean wave forces  
on inclined cylinders

Abstr. of paper presented at the 39th  
Annual Meeting, Washington, D.C., May  
5-8, 1958. Discussion of method for  
determination of wave forces on  
arbitrarily oriented cylinder, where  
resulting equation expressed in vector  
& matrix notation.

TL:cfa

M

Bailey, W.B. (1958) 583830  
Trans.Amer.geophys.Un., 39:505  
On the dominant flow in the strait of  
Bello Islo

Abstr. of paper presented at the 39th  
Annual Meeting, Washington, D.C., May  
5-8, 1958. Review of conditions  
causing over-balance of water movement  
in one direction & discussion on  
possible causes of flow.

TL:cfa

M

Broecker, W.S., K.K. Turekian 583833  
& B.C. Heezen (1958)  
Trans.Amer.geophys.Un., 39:509  
The relation of deep-sea sedimentation  
rates to variations in climate

Abstr. of paper presented at the 39th  
Annual Meeting, Washington, D.C., May  
5-8, 1958. Examinations of variations  
in sedimentation rates in mid-  
equatorial Atlantic & calculation of  
absolute rates of sedimentation for  
each major contributors to sediments.

TL:cfa

M

Bockmann, W.C., A.C. Roberts & 583831  
B. Luskin (1958)  
Trans.Amer.geophys.Un., 39:505-6  
Sub-bottom depth recorder survey of  
western Long Island sound

Abstr. of paper presented at the 39th  
Annual Meeting, Washington, D.C., May  
5-8, 1958. Description of recorder -  
SDR - & account of results obtained.  
The set proved to be valuable for  
mapping sub-bottom geologic structure.

TL:cfa

M

Carpenter, J.H. (1958) 583834  
Trans.Amer.geophys.Un., 39:509-  
The solubility of oxygen in water

Abstr. of paper presented at the 39th  
Annual Meeting, Washington, D.C., May  
5-8, 1958. Review of recent experiments  
& recommendation of new techniques for  
study of water.

TL:cfa

F

Cooper, H.H., Jr. (1958) 583835  
Trans.Amer.geophys.Un., 39:512  
An hypothesis concerning the dynamic  
balance of fresh water and salt water  
in a coastal aquifer

Abstr. of paper presented at the 39th  
Annual Meeting, Washington, D.C., May  
5-8, 1958.

TL: MF

Giletti, B.J. (1958) 583838  
Trans.Amer.geophys.Un., 39:516  
Circulation rates of near-surface  
Atlantic ocean waters and the cosmic-  
ray production of tritium

Abstr. of paper presented at the 39th  
Annual Meeting, Washington, D.C., May  
5-8, 1958.

TL: M

Donn, W.L. & W.T. 583836  
McGuinness (1958)  
Trans.Amer.geophys.Un., 39:513  
Seiches in Grindavik harbor, Iceland

Abstr. of paper presented at the 39th  
Annual Meeting, Washington, D.C., May  
5-8, 1958. Reports observations on  
period & amplitude of seiche as a  
function of water level, & wind  
direction & intensity.

TL:efa M

Kajiura, K. (1958) 583839  
Trans.Amer.geophys.Un., 39:520-1  
Effect of coriolis force on edge waves:  
II, specific examples of free and  
forced waves

Abstr. of paper presented at the 39th  
Annual Meeting, Washington, D.C., May  
5-8, 1958. An account of examination  
of edge wave modification due to  
presence of coriolis force in terms of  
dispersion of initial deformation of  
water surface & forced wave due to  
moving atmospheric pressure  
disturbance.

TL:efa M

Fleagle, R.G. (1958) 583837  
Trans.Amer.geophys.Un., 39:515  
Comments on turbulent transfer at the  
sea surface

Abstr. of paper presented at the 39th  
Annual Meeting, Washington, D.C., May  
5-8, 1958.

TL: M

Kisslinger, C. (1958) 583840  
Trans.Amer.geophys.Un., 39:521  
Observations of the development of the  
surface wave pattern in the vicinity  
of small explosions

Abstr. of paper presented at the 39th  
Annual Meeting, Washington, D.C., May  
5-8, 1958.

TL: MF

Loipper, D.F. (1958) 583841  
Trans.Amer.geophys.Un., 39:523  
The impact on oceanography of the NAS  
meteorology report

Abstr. of paper presented at the 39th  
Annual Meeting, Washington, D.C., May  
5-8, 1958. Interim report of  
Meteorology Committee of NAS submitted  
in Jan., 1958, on research & education  
in meteorology, concerning history,  
present status & future of meteorology,  
& implications for oceanography.

TL:ofa

M

McGuinness, W.T. & W.L. 583844  
Donn (1958)  
Trans.Amer.geophys.Un., 39:525  
The IGY island observatories: Atlantic

Abstr. of paper presented at the 39th  
Annual Meeting, Washington, D.C., May  
5-8, 1958. Description of Atlantic &  
Indian ocean installations & new  
instrumentation, report on progress of  
data gathering to date.

TL:ofa

M

Loipper, D.F. (1958) 583842  
Trans.Amer.geophys.Un., 39:523  
Staff and new facilities in oceanog-  
raphy at Texas A and M

Abstr. of paper presented at the 39th  
Annual Meeting, Washington, D.C., May  
5-8, 1958. Lists staff & notes their  
activities; reports enlargement of  
premises & obtainment of research  
vessels HIDALGO & ELLENA, development of  
digital computer laboratory & nuclear  
science center.

TL:ofa

M

Munk, W.H. & R. Haubrich (1958) 583845  
Trans.Amer.geophys.Un., 39:525-6  
The polar tide

Abstr. of paper presented at the 39th  
Annual Meeting, Washington, D.C., May  
5-8, 1958.

TL:ofa

M

Lumby, J.R. (1958) 583843  
Trans.Amer.geophys.Un., 39:523  
Present status of the data center (A)  
for oceanography

Abstr. of paper presented at the 39th  
Annual Meeting, Washington, D.C., May  
5-8, 1958. Lists names of countries  
contributed oceanographic & sea-level  
data & reports form & content of  
records.

TL:ofa

M

Oliver, J. & M. Ewing (1958) 583846  
Trans.Amer.geophys.Un., 39:527  
Short-period oceanic surface waves of  
the Rayleigh and first shear modes

Abstr. of paper presented at the 39th  
Annual Meeting, Washington, D.C., May  
5-8, 1958. Discussion of waves  
corresponding to short-period segment  
of Rayleigh mode, explanation of their  
presence & support of evidence for  
previously deduced crustal structures in  
Pacific Ocean.

TL:ofa

M

Roid, R.O. (1958) 583847  
Trans.Amor.geophys.Un., 39:528  
Effect of coriolis force on edge waves:  
I. Investigation of the normal modes

Abstr. of paper presented at the 39th Annual Meeting, Washington, D.C., May 5-8, 1958. Discussion on free edge waves on sloping continental shelf in presence of coriolis force & explanation of existence of 2 classes of waves for given mode & finite upper limit of group velocity on rotating earth for waves of great length.

TL:cfa M

Revelle, R. (1958) 583848  
Trans.Amor.geophys.Un., 39:528-9  
The downwind expedition to the southeast Pacific

Abstr. of paper presented at the 39th Annual Meeting, Washington, D.C., May 5-8, 1958. Article describing cruise of HORIZON & SPENCER F. BAIRD during period Oct. 21, 1957 to Feb. 28, 1958 in Southeast Pacific as part of oceanographic program of IGY.

TL:cfa M

Smith, J.B., L.M. Jeffrey & 583849  
D.W. Hood (1958)  
Trans.Amor.geophys.Un., 39:532  
Evidence for the presence of carbamino carboxylic acids in sea water

Abstr. of paper presented at the 39th Annual Meeting, Washington, D.C., May 5-8, 1958. Reports observations on utilization of carbamino complex of alanine by Nitzschia closterium, & other marine phytoplankton, as a source of carbon for photosynthesis. Discussion of possible significance of these compounds to physical, chemical & biological systems in sea.

TL:efa M

Stewart, H.B., Jr. (1958) 583850  
Trans.Amor.geophys.Un., 39:533  
Net upstream flow of bottom water in New York harbor

Abstr. of paper presented at the 39th Annual Meeting, Washington, D.C., May 5-8, 1958. Reports results of current velocity & direction measurements observed at 17 stations in New York harbor.

TL:cfa MF

Zotler, B.D., H.B. Stewart, Jr. 583851  
& C.B. Taylor (1958)  
Trans.Amor.geophys.Un., 39:537  
Recent ocean temperature and sea-level anomalies on the west coast

Abstr. of paper presented at the 39th Annual Meeting, Washington, D.C., May 5-8, 1958.

TL: M

Ewing, G.C. & F.B. 583852  
Phlogor (1958)  
Trans.Amor.geophys.Un., 39:540  
Tidal influence on the spacing of inlets into coastal lagoons

Abstr. of paper presented at the Pacific Southwest Regional Meeting, Pasadena, California, Feb. 6-7, 1958.

TL: M

Goldberg, M.D. & R.W. Rex (1958) 583853  
Trans.Amer.geophys.Un., 39:540  
Contribution of airborne particles to  
pelagic sediments

Abstr. of paper presented at the  
Pacific Southwest Regional Meeting,  
Pasadena, California, Feb. 6-7, 1958.  
Reports investigations on atmosphere  
transported quartz content of pelagic  
clays from eastern Pacific Ocean.  
Change in quartz content with depth  
indicates a major climatic change  
probably occurred late tertiary.

TL:ofa

M

Knauss, J. (1958) 583856  
Trans.Amer.geophys.Un., 39:541  
Variations in the trade winds and  
changes in the Pacific Equatorial  
Countercurrent

Abstr. of paper presented at the  
Pacific Southwest Regional Meeting,  
Pasadena, California, Feb. 6-7, 1958.  
Description of seasonal & spatial  
changes in Countercurrent & its  
comparison with structure predicted  
from different theoretical models.  
Sverdrup model, 1957, provides best  
agreement.

TL:ofa

M

Howe, E.D. (1958) 583854  
Trans.Amer.geophys.Un., 39:540  
Status of sea-water conversion research

Abstr. of paper presented at the  
Pacific Southwest Regional Meeting,  
Pasadena, California, Feb. 6-7, 1958.

TL:

M

Rodon, G.I. (1958) 583857  
Trans.Amer.geophys.Un., 39:542  
On a relation between atmospheric  
pressure and sea-surface temperature in  
the North Pacific Ocean

Abstr. of paper presented at the  
Pacific Southwest Regional Meeting,  
Pasadena, California, Feb. 6-7, 1958.  
An account of non-seasonal pressure &  
existence of relation between pressure  
& temperature anomalies.

TL:ofa

M

Jacob, C.E. (1958) 583855  
Trans.Amer.geophys.Un., 39:541  
Salt-water encroachment in horizontal  
confined aquifers of uniform thickness

Abstr. of paper presented at the  
Pacific Southwest Regional Meeting,  
Pasadena, California, Feb. 6-7, 1958.  
Review of theory of steady states of  
opposed & parallel flows.

TL:ofa

MF

Sachlan, M. (1957) 583858  
Penggomar Alam, 37(1-2):3-22  
Kapas-Hulu. Daerah kidjing dan ikan di  
pedalaman Kalimantan-Barat (Upper  
Kapas. Land of mussels and fish in the  
inlands of West-Borneo)

Distribution & use of stocks of  
Myriopsis velthuzoni in rivers & lakes  
for food, shell-limo & pearls.

:sjh

F

Mathioson, R.S. (1957) 583859  
Aust.Neighb., 3(80):1-2  
The East Asian fisheries question

History & development of national  
interests in marine resources of the  
area.

:sjh

M

Sioli, H. (1957) 583862  
Bol.Mus.Goeldi, Gool., 1:1-37  
Valores do pH do águas amazônicas  
(pH values of Amazonian waters)

Contains results of observations in a  
great many waters of the Amazon region  
conducted since 1940. Instruments used  
are mentioned. Extensive list of these  
values is divided according to  
geological & geographic units. Map.  
Bibl.

:sjh

F

Langloy, J.F. (1958) 583860  
New Commonw., 35(8):373-4  
Research in Malaya and Ghana

Incl. short review of fisheries  
research.

:sjh

MF

Anonymous (1958) 583863  
Fortnight.Dig.S.Afr.Aff., 5(3):6-10  
Fishing industry's fine new research  
laboratory

History, organization, facilities of  
new laboratory at University of Cape  
Town for the South African Fishing  
Industry Research Institute.

:sjh

M

Batton, J. (1958) 583861  
New Commonw., 35(10):470-1  
Triumphs of research in East Africa

Incl. short review of fisheries  
research.

:sjh

MF

Anonymous (1958) 583864  
Chron.Outre-Mer, 42:36-7  
Les études de pêche industrielle sur  
les côtes d'A.E.F. (Studies on  
commercial fishing on the coasts of  
French Equatorial Africa)

Article on water characteristics of  
area, resources, present industry -  
trawling, sardine & tuna fisheries -  
especially activities of SAPAC  
enterprise.

:sjh

M

Thacker, M.S. (1957) 583865  
India Quart., 13(4):287-307  
Scientific research: progress in India  
since independence

Incl. survey of fisheries research.

:sjh

MF

Ford, E., (1958) 583866  
Afr. World, April:10  
Research in British Colonial Africa

Incl. survey of fisheries research.

:sjh

MF

Anonymous (1957) 583867  
Dresdener Bank, 62 p.  
Wirtschaftlicher Lagebericht Pakistan  
(Economic survey of Pakistan)

Economic data on Pakistan. Details on  
the labour market, wages & cost of  
living. Brief review of the 5-year plans,  
incl. fishery.

:sjh

MF

Bertram, C. (1958) 583868  
W. Hoffer & Sons, Ltd., Cambridge, 123 p  
Arctic and Antarctic. A prospect of  
the polar regions

New revised edition. Contains also a  
general survey of birds & fish in the  
polar regions.

GLK:tl

M

Bocking, L.G.M. Baas, A.D. 583869  
Haldano & D. Izard (1958)  
Nature, Lond., 182:645-7  
Perchlorate, an important constituent  
of sea water

Description of 3 presumptive tests & 2  
quantitative methods for examination of  
the presence of perchlorates which has  
hitherto escaped attention because of  
the inadequacy of analytical methods.  
Notes on the occurrence of perchlorates  
in nature, the perchlorate cycle, & the  
importance of the halogen cycle.

GLK:glk

M

Brandhorst, W. (1958) 583870  
Nature, Lond., 182:679-  
Nitrite accumulation in the Northeast  
Tropical Pacific

Nitrite analyses of samples from  
between the surface & 800 m depth at 20  
stations occupied off the American coast  
from the Gulf of Panama (4 N) to the  
southern tip of Baja California (23 N),  
to obtain information on the process  
of decay of planktonic material.

GLK:glk

M

Gorham, E. (1957) 583871  
Proc.R.Irish Acad., 58B:237-43  
The chemical composition of some  
western Irish fresh waters

F

Hawking, F. (1957) 583874  
Trans.R.Soc.trop.Mod.Hyg., 51:375-6  
Trypanosomes of English freshwater fish  
  
Account of investigations made on  
trypanosomes of fish.

FAO:efa

F

Macan, T.T. (1957) 583872  
Trans.Soc.Brit.Ent., 12:157-64  
A description of the nymph of Baëtis  
bucoratus with notes on and a key to  
other species in the genus

Contents as per title.

F

Bradbury, S. (1957) 583875  
Quart.J.micr.Sci., 98:29-45  
A histochemical study of the  
connective tissue-fibres in the leech,  
Glossiphonia complanata

F

Lund, J.W.G. (1957) 583873  
Biol.Aspects of Transmission of Disease,  
London:Oliver & Boyd Ltd., 19-23  
Fungal diseases of plankton algae

F

Lund, J.W.G. (1957) 583876  
Rev.algol., 3:26-44  
Four new green algae

F

Macan, T.T. (1957) 583877  
Notul.ont., Helsingf., 37:58-60  
A description of the nymph of Baëtis  
macani Kimmins

F

Collins, V.G. & C.Kipling (1957) 583880  
J.appl.Bact., 20:257-64  
The enumeration of waterborne bacteria  
by a new direct count method

F

Asahina, S. (1957) 583878  
Ent.Mon.Mag., 93:101-2  
Evolutional sequence as shown in the  
structure of the discoidal cell of the  
wings of Epiophlebia superstes Selys  
(Odonata, Anisozygoptera)

F

Macan, T.T. (1957) 583881  
Ent.Gaz., 8:236-41  
Some records of water-bugs in  
Scotland

F

Smyly, W.J.P. (1957) 583879  
Ann.Mag.nat.Hist., 10:509-12  
Observations on the life-history of the  
harpacticoid copepod, Canthocamptus  
staphylinus (Jurino)

F

Gorham, E. (1958) 583882  
J.Glaciol., 3(23):181-6  
The salt content of some ice samples  
from Nordaustlandet (North East Land)

F

Bleasdale, A. (1957) 583883  
J.Instn Wat.Engrs, 11:259-68  
Afforestation of catchment areas: the  
physicist's approach to problems of  
water loss from vegetation

F

Houghton, G.U. (1957) 583886  
Proc.Soc.Wat.Treatm.Examin., 6:60-5  
The colorimetric determination of zinc  
in water using brilliant green and  
thiocyanato

F

Gamoson, A.L.H. (1957) 583884  
J.Instn Wat.Engrs, 11:477-90  
Weirs and the acration of rivors

F

Law, F. (1957) 583887  
J.Instn Wat.Engrs, 11:269-76  
The effect of afforestation upon the  
yield of water catchment areas

F

Gorham, E. (1957) 583885  
Irish Nat.J., 12:122-6  
The chemical composition of rain from  
Rosscahill in County Galway

F

Lewis, W.K. (1957) 583888  
Proc.Instn civ.Engrs, 8:17-52  
Investigation of rainfall, run-off, and  
yield on the Alwon and Bronig  
catchments

F

Long, F.I. (1957) 583889  
Quart.J.R.met.Soc., 83:202-14  
Instruments for micro-meteorology

F

Monkhouse, A.C. (1957) 583892  
Sci.Progr., 45:418-28  
Atmospheric pollution

F

Mackereth, F.J.H. (1957) 583890  
Proc.Linn.Soc.Lond., 167:159-64  
Chemical analysis in ecology illustrated  
from Lake District tarns and lakes. I.  
Chemical analysis

F

Sponcer, E.A. & A.T.J. 583893  
Hayward (1957)  
Trans.Soc.Instrum.Toch., 9:1-12  
The accurate calibration of flow-motors  
with water

F

Makkink, G.F. (1957) 583891  
J.Instn Wat.Engrs, 11:277-88  
Testing the Ponman formula by means of  
lysimeters

F

Reitler, R. & R. Soligmann (1957) 583894  
J.appl.Bacteriol., 20:145-50  
Pseudomonas aeruginosa in drinking  
water

F

Willis, A.T. (1957) 583895  
J.appl.Bacteriol., 20:53-60  
Observations on the anaerobes present  
in a city water supply, with special  
reference to Clostridium welchii

Contents as per title.

F

Lund, J.W.G. (1957) 583898  
Phyc.Bull., 5:18-21  
Professor F.H. Fritsch's collection of  
illustrations of freshwater algae

F

Willis, A.T. (1957) 583896  
J.appl.Bacteriol., 20:61-4  
Anaerobic bacilli in a treated water  
supply

F

Belcher, J.H.B. & E.M.P. 583899  
Swale (1957)  
Phyc.Bull., 5:40-1  
Some uncommon freshwater algae

F

Boatmann, D.J. (1957) 583897  
Proc.R.Irish Acad., 59B:29-42  
An ecological study of two areas of  
blanket bog on the Galway-Mayo  
Peninsula, Ireland

F

Brook, A.J. (1957) 583900  
Naturalist, Lond., (862):97-100  
Notes on desmids of the genus Stauro-  
strum. I. Staurostrum pseudopolagicum,  
S. subcruciatum, S. avicula & S. denti-  
culatum

F

Dosikachary, T.V. (1957) 583901  
J.R.micr.Soc., 76:9-36  
Electron microscope studies on diatoms

F

McMillan, R. (1957) 583904  
J.gen.Microbiol., 17:658-77  
Morphogenesis and polymorphism of  
Ankistrodesmus spp.

F

Greenwood, A.D., I. Manton 583902  
& B. Clarke (1957)  
J.exp.Bot., 8:71-86  
Observations on the structure of the  
zoospores of Vaucheria

Description of zoospores of Vaucheria  
with notes on internal structure of  
ciliary bases, details for identifica-  
tion of mitochondria, fat bodies,  
nuclei & plastids. Structure of  
cytoplasm is discussed in preliminary  
way.

FAO:efa

F

Brook, A.J. (1957) 583905  
Trans.bot.Soc.Edinb., 37:114-22  
Notes on freshwater algae, mainly from  
lochs in Perthshire and Sutherland

F

Harris, K. & D.E. Bradley (1957) 583903  
J.R.micr.Soc., 76:37-46  
An examination of the scales and  
bristles of Mallomonas in the electron  
microscope using carbon replicas

Contents as per title.

F

Brook, A.J. (1957) 583906  
Naturalist, Lond., (861):37-9  
On some forms of Micrasterias now to or  
rare in Britain

F

Christonsen, T. (1957) 583907  
Phyc.Bull., 5:43  
Three species of Vaucheria new to  
Britain

F

Ives, K.J. (1957) 583910  
Wat. & Wat.Engng, 61:293-6  
Algae and water supplies. I. The fresh-  
water algae

F

Linko, P. & al. (1957) 583908  
J.exp.Bot., 8:147-56  
Formation of radioactive citrulline  
during photosynthetic  $C^{14}O_2$ - fixation  
by blue-green algae

Description of method for isolation &  
identification of citrulline from  
Nostoc muscorum extracts & brief  
discussion of possible functions for  
citrulline. Investigations show  
occurrence of relatively high amount  
of  $CO_2$  fixation during photosynthesis  
in citrulline in all members of  
Cyanophyceae, which is small in  
Chlorophyceae.

FAO:efa

MF

Ives, K.J. (1957) 583911  
Wat. & Wat.Engng, 61:339-41  
Algae and water supplies. II. The  
effects of algae in water

F

Brindle, A. (1957) 583909  
Ent.Mon.Mag., 93:127-9  
Notes on the use of light for  
attracting Trichoptera

F

Ives, K.J. (1957) 583912  
Wat. & Wat. Engng, 61:387-9  
Algae and water supplies. III. Control  
of algae in reservoirs

F

Round, F.E. (1957) 583913  
J.Linn.Soc.(Bot.), 55:657-61  
The diatom community of some Bryophyta  
growing on sandstone

Cunnell, G.J. (1957) 583914  
Trans.Brit.mycol.Soc., 40:433-42  
On Neotthiospora carcina (Desm.) Höhnelt

F

F

Round, F.E. (1957) 583914  
J.Linn.Soc.(Bot.), 55:662-8  
A note on some diatom communities in  
calcareous springs and streams

Cunnell, G.J. (1957) 583915  
Trans.Brit.mycol.Soc., 40:443-55  
Stagonospora spp. on Phragmites  
communis Trin.

F

F

Whithead, R.C. (1957) 583915  
J.Instn Wat.Engrs, 11:289-99  
Shustoke and Bartley reservoirs: biology

Ingold, C.T. & V.J. Cox (1957) 583916  
Trans.Brit.mycol.Soc., 40:155-8  
Holiscus stellatus sp.nov., an aquatic  
hyphomycete

F

F

Lisitzin, E. (1957) 583919  
Comment.phys.-math., Helsingf., 20(6):20p  
The annual variation of the slope of the  
water surface in the Gulf of Bothnia

F

Clark, W.G. (1958) 583922  
Zool.Publ.Vict.Univ.N.Z., (23):7 p.  
Some Pycnogonida from Cook Strait, New  
Zealand, with descriptions to two new  
species



M

Cahn, P.H. (1958) 583920  
Bull.Amer.Mus.nat.Hist., 115(2):69-112  
Comparative optic development in  
Astyanax mexicanus and in two of its  
blind cave derivatives

F

Dickinson, P. (1958) 583923  
Tech.Rep.Mar.Fish.Doct.N.Z., 14 p.  
Experimental trawling in Otago waters,  
winter 1957

M

Groenowald, A.A.v.J. (1958) 583921  
Ann.Transv.Mus., 23(3):263-330  
A revision of the genera Barbus and  
Varicorhinus (Pisces: Cyprinidae) in  
Transvaal

F

Batravi, A. (1957) 583924  
Publ.Mar.biol.Sta.Ghardaga, (9):51-68  
The structure of the dugong kidney  
  
Contents as per title.

etc

M

Gohar, H.A.F. (1957) 583925  
Publ.Mar.biol.Sta.Ghardaqa, (9):3-49  
The Red Sea dugong

Account of anatomical & biological  
investigations made on 16 dugong caught  
in Red Sea.

:efa

M

Gohar, H.A.F. & I.A. 583928  
Aboul-Ela (1957)  
Publ.Mar.biol.Sta.Ghardaqa, (9):203-28  
The development of three chromodorids

Taxonomic & physiological study of Ch.  
pulchella Rüpp & Leuck. Ch. annulata  
Eliot & new sp. Ch. ghardaqana sp.n.  
from Red Sea.

:efa

M

Gohar, H.A.F. & I.A. 583926  
Abul-Ela (1957)  
Publ.Mar.biol.Sta.Ghardaqa, (9):70-83  
The development of Borhollina citrina  
(Mollusca, Opisthobranchiata)

Discussion of systematic position of this  
sp. collected at Red Sea. Description  
of its living & genital system. This  
investigation makes identification  
of newly hatched veliger stages in  
plankton possible.

:efa

M

Gohar, H.A.F. & A.A. 583929  
Al-Kholy (1957)  
Publ.Mar.biol.Sta.Ghardaqa, (9):85-129  
The larval stages of three stomatopod  
crustacea (from the Red Sea)

Ill. description of larval stages of  
Squilla macedonensis, Squilla sp. &  
Coelocinetus albrous.

:efa

M

Gohar, H.A.F. & I.A. 583927  
Abul-Ela (1957)  
Publ.Mar.biol.Sta.Ghardaqa, (9):132-44  
On a new nudibranch Phyllodesmium xoniae

Description of new nudibranch sp.  
occurring in Red Sea on Strombus  
fuscus & Xonia umbellata.

:efa

M

Gohar, H.A.F. & A.A. 583930  
Al-Kholy (1957)  
Publ.Mar.biol.Sta.Ghardaqa, (9):145-76  
The larvae of some brachyuran crustacea

Description of larval stages of  
Chlorodiella nigra Forskal, Ostracother  
tridactyla Rüppell, Dotilla sulcata  
Forskal & Grapsus strigosus Herbst.  
In last 2 spp., 2nd & 3rd zoeal stages  
missing.

:efa

M

Gohar, H.A.F. & A.A. 583931  
Al-Kholy (1957)  
Publ.Mar.biol.Sta.Ghardaqa, (9):177-202  
The larvae of four decapod crustacea

Detail description of various stages of  
Alpheus pacificus Dana, Petrolisthes  
rufoscons Heller, Camposcia rotusa Latr.,  
Monacanthus monoceros Latr., with ill.  
of larvae & individual-parts.

:efa

M

Burstyn, H.L. (1958) 583934  
Science, 127:1064-6  
Founder of Hydrographic Office

Comment on 580061.

FAO:sjh

M

Melouk, M.A. (1957) 583932  
Publ.Mar.biol.Sta.Ghardaqa, (9):229-51  
On the development of Carcharinus  
melanopterus (Q & G)

Description of embryonic stages  
illustrating developmental history of  
sp.; brief discussion of ontogeny of  
Squaliformes & comparison with that of  
Rajiformes.

:efa

M

Wraight, A.J. & E.B. 583935  
Roberts (1958)  
Science, 127:1066  
Letter

Reply to 583934.

FAO:sjh

M

Emerson, R. (1958) 583933  
Science, 127:1059-60  
Yield of photosynthesis from simultaneous  
illumination with pairs of wavelengths

Abstr. of paper presented at the Annual  
Meeting of the National Academy of  
Sciences, 28-30 April, 1958, Washington,  
D.C., describing experiments with  
Porphyridium & Chlorella.

FAO:sjh

F

Berg, W.E. (1957) 583936  
Biol.Bull., Woods Hole, 113:365-75  
Chemical analyses of anterior and  
posterior blastomeres of Ciona  
intestinalis

Continuation of quantitative chemical  
analyses of anterior & posterior  
blastomeres from the four-cell stage of  
Ciona; quantitative micro-chemical  
analyses were made of succinic dehydro-  
genase, apyrase, acid & alkaline  
phosphatases, & ribonucleic acid.

FAO:glk

M

Hickok, J.F. & D.Davenport (1957) 583937  
Biol.Bull., Woods Hole, 113:397-406  
Further studies in the behaviour of  
commensal polychaetes

Comparison of the behaviour of  
populations of single spp. of  
facultative & obligate commensals of  
diverse host-habit, & determination of  
whether these populations showed  
different response specificity.

FAO:glk

H

Rosenthal, H.L. (1957) 583940  
Biol.Bull., Woods Hole, 113:442-50  
The metabolism of strontium-90 and  
calcium-45 by Lebistes

Examination with regard to this sp. of  
previous evidence of discrimination  
against strontium relative to calcium,  
& determination of the uptake & turn-  
over of strontium-90 & comparison of  
this with previous data obtained with  
calcium-45.

FAO:glk

F

Jonas, M.L. (1957) 583938  
Biol.Bull., Woods Hole, 113:407-13  
On the morphology of the Nephridium of  
Nereis vaxillosa Grube

The morphology of the nephridia of  
Nereis vaxillosa Grube is described.  
Comparisons are made with the morphology  
of the nephridia of certain other  
nereids & differences are noted. A  
reconstruction of the nephridial canal  
is presented.

FAO:glk

M

Travis, D.F. (1957) 583941  
Biol.Bull., Woods Hole, 113:451-79  
The molting cycle of the spiny lobster,  
Panulirus argus Latroille. IV. Post-  
ecdysial histological and histochemical  
changes in the hepato-pancreas and  
integumental tissues

Study of marked changes in the hepato-  
pancreas & integumental tissues which  
occur concomitantly with the development  
of calcification of the post-oxuvial  
layers of the skeleton.

FAO:glk

M

Pérez-González, M.D. (1957) 583939  
Biol.Bull., Woods Hole, 113:426-41  
Evidence for hormone-containing granules  
in sinus glands of the fiddler crab Uca  
pugilator

Experiments to show that the granules in  
sinus glands are the depots of neuro-  
secretory materials & behave like  
similar structures found in the neuro-  
secretory systems of vertebrates.  
Homogenates of sinus glands in isotonic  
sucrose were injected into legs of whole  
Uca & the behaviour of chromatophores  
observed.

FAO:glk

M

Rulon, O. (1957) 583942  
Biol.Bull., Woods Hole, 113:480-7  
Developmental modifications in the sand  
dollar caused by cobaltous chloride in  
combination with sodium selenite and  
zinc chloride

Newly fertilized eggs of D. excentricus  
were allowed to develop in single &  
combined sea water solutions of cobaltous  
chloride, & the effects of these  
solutions on development were studied.

FAO:glk

M

Wootton, D.M. (1957) 583943  
Biol.Bull., Woods Hole, 113:488-98  
Notes on the life-cycle of Azygia  
acuminata Goldberger, 1911 (Azygiidae-  
Trematoda)

Stages in the life-cycle of Azygia  
acuminata are described and figures.

FAO:glk

F

Brookbank, J.W. (1958) 583946  
Biol.Bull., Woods Hole, 115:74-80  
Dispersal of the gelatinous coat  
material of Mollita quinquiesperforata  
eggs by homologous sperm and sperm  
extracts

Determination of the presence of a  
factor responsible for the dispersal &  
of some of the characteristics of this  
factor.

FAO:glk

M

Boolootian, R.A. & A.C. 583944  
Ciose (1958)  
Biol.Bull., Woods Hole, 115(1):53-63  
Coelomic corpuscles of echinoderms

The cellular elements from the body  
fluid of 15 different spp. of echino-  
derms are studied by phase contrast  
microscopy.

FAO:glk

M

Appley, R.W. & C.R. Bovell (1958) 583947  
Biol.Bull., Woods Hole, 115:101-6  
Sulfuric acid in Desmarestia

Experimental evidence on the role of  
hydrogen ion with regard to the  
vacuolar cation content of the acid-  
accumulating spp. of Desmarestia.

FAO:glk

M

Boroughs, H. & D.F. Reid (1958) 583945  
Biol.Bull., Woods Hole, 115(1):64-73  
The role of the blood in the transpor-  
tation of strontium<sup>90</sup>-yttrium<sup>90</sup> in  
teleost fish

2 concentrations of Oak Ridge Sr<sup>90</sup>-Y<sup>90</sup>  
were injected into specimens of Tilapia  
mossambica, & the rate of mixing & of  
elimination was measured. The  
transporting elements & general  
distribution were determined.

FAO:glk

MF

Hodgson, E.S. (1958) 583948  
Biol.Bull., Woods Hole, 115:114-25  
Electrophysiological studies of  
Arthropod chemoreception. III. Chemo-  
receptors of terrestrial and fresh-  
water Arthropods

Experiments with fluid-filled externally  
applied electrodes on the chemoreceptors  
of various organisms, incl. Cambarus  
bartonii sciotoensis, to identify  
sensitivity to chemical, tactile &  
temperature stimuli within normal  
physiological ranges.

FAO:glk

F

Mathewson, R. & al. (1958) 583949  
Biol.Bull., Woods Hole, 115:126-35  
Morphology of main and accessory  
electric organs of Narcine brasiliensis  
(Olfers) and some correlations with  
their electro-physiological properties

Description of the gross anatomical &  
general histological characteristics of  
these organs, relating these  
characteristics to functional properties.

FAO:glk

M

F

Rothschild, L. & A. Tyler (1958) 583950  
Biol.Bull., Woods Hole, 115:136-46  
The oxidative metabolism of eggs of  
Urechis caupo

Examination of the O<sub>2</sub> uptake of  
fertilized eggs in the presence of  
cyanide & of carbon monoxide &  
examination of eggs spectroscopically,  
using the low temperature method.

FAO:glk

M

F

Watkins, M.J. (1958) 583951  
Biol.Bull., Woods Hole, 115:147-52  
Regeneration of buds in Botryllus

Experiments to determine whether the  
size of the zooid depends directly on  
the number of cells present in the  
early bud or is determined in some other  
manner by the parent, & for this  
purpose buds were damaged at an early  
stage, & the amount of regeneration as  
shown by the final size was noted.

FAO:glk

M

F

Ingold, C.T. & V.J. Cox (1957) 583952  
Trans.Brit.mycol.Soc., 40:317-21.  
On Trispospermum and Campylospora

Sparrow, F.K. (1957) 583953  
Trans.Brit.mycol.Soc., 40:523-35  
A further contribution to the phyco-  
mycete flora of Great Britain

Willoughby, L.G. (1957) 583954  
Trans.Brit.mycol.Soc., 40:9-16  
Studies on soil chytrids. II. On  
Karlingia dubia Karling

Bradbury, S. (1957) 583955  
Quart.J.micr.Sci., 98:301-14  
A histochemical study of the pigment  
cells of the leech, Glossiphonia  
complanata

F

Corbet, P.S. (1957) 583958  
Entomologist, 90:143-7  
Larvae of East African Odonata. 12-14

F

Corbet, P.S. (1957) 583956  
Entomologist, 90:28-34  
Larvae of East African Odonata. 6-8

F

Fox, M.W. (1957) 583959  
Ent.Mon.Mag., 93:237-8  
Abnormalities in neurulation in  
Trichoptera

F

Corbet, P.S. (1957) 583957  
Entomologist, 90:111-9  
Larvae of East African Odonata. 9-11

F

Fraser, F.C. (1957) 583960  
Ent.Mon.Mag., 93:150-1  
A note on Dale's catalogue of the  
Libellula in the Linnean cabinet made  
in March, 1946, and the support it  
gives to the name linaenea Fraser  
(Odonata, Corduliidae)

F

Fryer, G. (1957) 583961  
Ann.Mag.nat.Hist., 10:116-20  
A new species of Parabathynella  
(Crustacea: Syncarida) from the psammon  
of Lake Bangweulu, Central Africa

F

Jamieson, B.G.M. (1957) 583964  
Ann.Mag.nat.Hist., 10:449-70  
Some species of Pygmaeodrilus  
(Oligochaeta) from East Africa

F

Hanna, H.M. (1957) 583962  
Ent.Gaz., 8:110-4  
The larva of Agrypnia pagotana Curtis  
(Trichoptera: Phryganeidae)

F

Kimmins, D.E. (1957) 583965  
Bull.Brit.Mus.(Nat.Hist.)(Ent.), 5:  
287-308  
Neuroptera and Trichoptera collected by  
Mr. J.D. Bradley on Guadalcanal  
Island, 1953-54

F

Hanna, H.M. (1957) 583963  
Ent.Gaz., 8:218-22  
The larva of Stenophylax infumatus  
McLachlan (Trichoptera: Limnophilidae)

F

Kimmins, D.E. (1957) 583966  
Bull.Brit.Mus.(Nat.Hist.)(Ent.), 5:309-20  
Odonata collected by Mr. J.D. Bradley  
on Guadalcanal Island, 1953-54

F

Kimmins, D.E. (1957) 583967  
Entomologist, 90:95-7  
Some notes on nomenclature in the  
family Libellulidae (Odonata)

F

Davies, L. (1957) 583970  
Proc.R.ent.Soc.Lond., 26B:1-10  
A new Prosimulium species from Britain  
and a re-examination of P. hirtipes  
Fries from the holarctic region  
(Diptera: Simuliidae)

F

Kimmins, D.E. (1957) 583968  
Ent.Gaz., 8:29-35  
Notes on Procloëon pseudorufulum sp.n.  
(= Procloëon rufulum (Eaton) and on  
Cloëon simile Eaton (Ephemeroptera) )

F

Gillies, M.T. (1957) 583971  
Proc.R.ent.Soc.Lond., 26B:43-8  
New records and species of Euthraulus  
Barnard (Ephemeroptera) from East  
Africa and the Oriental region

F

Colless, D.H. (1957) 583969  
Proc.R.ent.Soc.Lond., 26B:131-9  
Further notes on the systematics of the  
Anopheles leucosphyrus group (Diptera:  
Culicidae)

F

Harker, J.E. (1957) 583972  
Proc.R.ent.Soc.Lond., 26B:63-78  
Some new Australian Ephemeroptera

F

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|--|--------|--|--------|
| Jackson, D.J. (1957)<br><u>Proc.R.ent.Soc.Lond.</u> , 32A:115-8  | 583973 | Longfield, C. (1957)<br><u>Ent.Mon.Mag.</u> , 93:13  | 583976 |
| A note on the embryonic cuticle shed on hatching by the larvae of <u>Agabus bipustulatus</u> L. and <u>Dytiscus marginalis</u> L. (Coleoptera: Dytiscidae) |        | Answer to the name proposed by F.C. Fraser for <u>Cordulla aenae</u> (L.) (Odonata, Corduliidae) |        |

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| Kimmins, D.L. (1957)<br><u>Ent.Gaz.</u> , 8:199-210                        | 583974 |
| Notes on some British species of the genus <u>Hydropsyche</u> (Tricoptera) |        |

F

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|--|--------|
| Onabamiro, S.D. (1957)<br><u>J.Linn.Soc.(Zool.)</u> , 43:123-33                  | 583977 |
| Some new species of <u>Cyclops</u> sensu lato (Crustacea: Copepoda) from Nigeria |        |

F

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|---|--------|
| Lewis, D.J. (1957)<br><u>Ann.trop.Med.Parasit.</u> , 51:340-58          | 583975 |
| Aspects of the structure, biology and study of <u>Simulium damnosum</u> |        |

F

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|---|--------|
| Roid, E.T.M. (1957)<br><u>Ent.Mon.Mag.</u> , 93:7-10                                    | 583978 |
| The diagnostic value of the foretarsus in male anopheline mosquitoes (Dipt., Culicidae) |        |

F

Birkett, N.L. (1957) 583979  
Ent.Mon.Mag., 93:145-9  
Notes on a small collection of  
Chironomidae (Diptera) made in the  
Kendal district

F

Davis, A. (1957) 583982  
Skokholm Bird Observatory Report for  
1956, 25-33  
The freshwater fauna of Skokholm

F

Brinkhurst, R.O. (1957) 583980  
Entomologist, 90:260-8  
Records of freshwater invertebrates  
from the Spey Valley near Kingussie,  
Inverness-shire

F

Fox, M.W. (1957) 583983  
Ent.Mon.Mag., 93:40-1  
The Trichoptera of Skokholm

F

Crichton, M.I., B.R. Baker 583981  
& H.M. Hanna (1957)  
Ent.Mon.Mag., 93:241-3  
Further records of Trichoptera from  
the Reading area

F

Fraser, F.C. (1957) 583984  
Ent.Mon.Mag., 93:42-7  
Historical notes on the occurrence of  
Sympetrum meridionale Selys (Odon.,  
Libellulidae) in Britain

F

Fraser, F.C. (1957) 583985  
Ent.Mon.Mag., 93:211-2  
A further note on the occurrence of  
Sympetrum meridionalis (Selys) (Odon.,  
Libellulidae) in Britain, extracted  
from the Dale correspondence

F

Kidd, L.N. (1957) 583988  
Naturalist, Lond., (862):101-2  
Some craneflies (Dipt.: Tipulidae) of  
a Lancashire clough, including several  
new county records

F

Gardner, A.E. (1957) 583986  
Entomologist, 90:239-40  
A note on some Odonata, Orthoptera and  
Dictyoptera from eastern Austria

F

Leston, D. (1957) 583989  
Ent.mon.Mag., 93:216  
Sigara scotti (Fieber) (Hem., Corixidae)  
in Surrey

F

Hart, K.M. (1957) 583987  
J.Instn munic.Engrs., 85:324-33  
Living organisms in public water mains

F

Longfield, C. (1957) 583990  
Entomologist, 90:44-9  
Notes on the British Odonata  
(Dragonflies) for 1954 and 1955

F

Phillipson, G.N. (1957) 583991  
Trans.nat.Hist.Soc.Northumb., 12:77-92  
Records of caddis flies (Trichoptera)  
in Northumberland. With notes on their  
seasonal distribution in Plessey Woods

Contents as per title.

F

Brindle, A. (1957) 583994  
Ent.mon.Mag., 93:63-6  
The effect of temperature and humidity  
on the flight of Trichoptera

F

Thompson, E. (1957) 583992  
Naturalist, Lond., (863):136  
A leech new to Yorkshire

F

Carter, L. (1957) 583995  
J.exp.Biol., 34:71-84  
Ionic regulation in the ciliate  
Spirostomum ambiguum

F

Wright, H.G.S. (1957) 583993  
Trans.Norfolk Norw.Nat.Soc., 18(5):1-23  
The rotifer fauna of east Norfolk

F

Hinton, H.M. (1957) 583996  
Sci.Progr., 45:692-700  
Entomology. Some little known  
respiratory adaptations

F

<p>Lockwood, A.P.M. &amp; P.C.  Croghan (1957)  <u>J.exp.Biol.</u>, 34:253-8  The chloride regulation of the brackish  and freshwater races of <u>Mesidotea</u>  <u>entomon</u> (L.)</p>	583997	<p>Brindle, A. (1957)  <u>Ent.mon.Mag.</u>, 93:202-4  The ecological significance of the  anal papillae of <u>Tipula</u> larvae (Dipt.,  Tipulidae)</p>	584000
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F

F

<p>Omardeen, T.A. (1957)  <u>Bull.ent.Res.</u>, 48:349-57  The behaviour of larvae and pupae of  <u>Aedes aegypti</u> in light and temperature  gradients</p>	583998
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F

<p>Cridland, C.C. (1957)  <u>J.trop.Med.(Hyg.)</u>, 60:287-93  Ecological factors affecting the  numbers of snails in temporary bodies  of water</p>	584001
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F

<p>Sleigh, M.A. (1957)  <u>J.exp.Biol.</u>, 34:106-15  Further observations on co-ordination  and the determination of frequency in the  peristomial cilia of <u>Stentor</u></p>	583999
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F

<p>Greenshields, F. &amp; J.L.  Ridley (1957)  <u>J.Instn Wat.Engrs.</u>, 11:300-6  Some researches on the control of  mussels in water pipes</p>	584002
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F

<p>Kettle, D.S. (1957) 584003  <u>Proc.R.ent.Soc.Lond.</u>, 32A:13-20  Preliminary observations on weather conditions and the activity of biting flies</p> <p>F</p>	<p>Mučibabić, S. (1957) 584006  <u>J.gen.Microbiol.</u>, 16:561-71  The growth of mixed populations of <u>Chilomonas paramecium</u> and <u>Tetrahymena pyriformis</u></p> <p>F</p>
<p>Lansbury, I. (1957) 584004  <u>Entomologist</u>, 90:167-77  Observations on the ecology of water-bugs (Hemiptera: Heteroptera) and their associated fauna and flora in south-east Kent</p> <p>Contents as per title.</p> <p>F</p>	<p>Mučibabić, S. (1957) 584007  <u>Quart.J.micr.Sci.</u>, 98:251-63  The growth of mixed populations of <u>Chilomonas paramecium</u> and <u>Tetrahymena patula</u></p> <p>F</p>
<p>Lewis, D.J. (1957) 584005  <u>Bull.ent.Res.</u>, 48:155-84  Observations of Chironomidae at Khartoum</p> <p>F</p>	<p>Phillipson, J. (1957) 584008  <u>Bull.ent.Res.</u>, 48:811-9  The effect of current speed on the distribution of the larvae of the blackflies <u>Simulium variegatum</u> (Mg.) and <u>S. monticola</u> Fried</p> <p>F</p>

Bryce, D. (1957) 584009  
Ent.mon.Mag., 93:67-9  
Notes on the life histories of British  
Limoniinae (Dipt., Tipulidae) - I.  
Limonia nubeculosa Meig. and L. didyma  
Meig.

F

Corbet, P.S. (1957) 584012  
Ent.Gaz., 8:79-89  
The life-histories of two spring  
species of dragonfly (Odonata:Zygoptera)

F

Bryce, D. (1957) 584010  
Ent.mon.Mag., 93:132  
Notes on the life histories of British  
Limoniinae (Dipt., Tipulidae) - II.  
Ula sylvatica Meigen

F

Corbet, P.S. (1957) 584013  
Bull.ent.Res., 48:243-50  
Duration of the aquatic stages of  
Povilla adusta Navas (Lophomeroptera:  
Polymitarcidae)

F

Comfort, A. (1957) 584011  
Proc.malacol.Soc.Lond., 32:219-41  
Duration of life in molluscs

F

Davies, L. (1957) 584014  
Bull.ent.Res., 48:407-24  
A study of the blackfly, Simulium  
ornatum Mg. (Diptera), with particular  
reference to its activity on grazing  
cattle

F

Hanna, H.M. (1957) 584015  
Proc.R.ent.Soc.Lond., 32A:139-46  
A study of the growth and feeding  
habits of the larvae of four species  
of caddis flies

F

Lyall, A.H. (1957) 584018  
Quart.J.micr.Sci., 98:189-201  
Conc arrangements in teleost retinae

F

Smyly, W.J.P. (1957) 584016  
J.Quckett micr.Cl., 4:315-6  
A note on the number of eggs in the  
ephippium of Acantholeberis curvirostris  
(O.F. Müller), (Cladocora, Macrothri-  
cidae)

F

Morris, R. (1957) 584019  
Quart.J.micr.Sci., 98:473-85  
Some aspects of the structure and  
cytology of the gills of Lampetra  
fluviatilis

F

Lyall, A.H. (1957) 584017  
Quart.J.micr.Sci., 98:101-10  
The growth of the trout retina

F

Whiting, H.P. (1957) 584020  
Quart.J.micr.Sci., 98:163-78  
Mauthner neurones in young larval  
lampreys (Lampetra spp.)

F

Jones, F.R.H. (1957) 584021  
J.exp.Biol., 34:259-75  
Rotation experiments with blind goldfish

F

Smith, I.W. (1957) 584024  
Salm.Trout Mag., (150):148-9  
The occurrence of damaged sea trout  
on the east coast of Scotland

F

Lofts, B. & A.J. Marshall (1957) 584022  
Quart.J.micr.Sci., 98:79-88  
Cyclical changes in the distribution  
of the testis lipids of a teleost fish,  
Esox lucius

F

Western Australia. Fisheries 584025  
Department (1958)  
Monthly Service Bulletin, 7(7):85-106

Notes on staff & their activities;  
issuance of fishing licences,  
regulations & legal actions; seasons  
& results of crayfishery, pearling  
humpback whaling. Miscellaneous  
information from abroad.

GLK:sjh

M

Woodhead, P.J.M. (1957) 584023  
J.exp.Biol., 34:402-16  
Reactions of salmonid larvae to light

F

Andrews, P.M. (Comp.) (1958) 584026  
FAO, Rome, 17 p.  
Catalogue of FAO fisheries publications,  
September 1958

Lists periodicals, FAO Fisheries  
Studies, FAO Fisheries Papers, separate  
publications & publications of the  
General Fisheries Council for the  
Mediterranean & the Indo-Pacific  
Fisheries Council. Reports of technical  
assistants & reports on lectures of  
Latin American Training Centres.

FiB:sjh

MF

Prasad, R.R., V.K. Pillai & 584027  
P.V. Ramachandran Nair (1958)

Curr.Sci., 27:302-3

A note on the organic production in the inshore waters of the Gulf of Mannar

Results of application of dark & clear bottle techniques in measurements over 48 hour periods, compared with results obtained elsewhere in the Indo-Pacific & in the Atlantic.

FAO:glk

M

Balakrishnan, M.S. (1958) 584028  
Curr.Sci., 27:307-9

On the red alga Corynomorpha prismatica

Histological account of the reproductive structures, serving as basis for proposal for transfer of the genus to a new family, Corynomorphaceae, within the order Cryptonemiales.

FAO:glk

M

Universidad Catolica de Santo 584029  
Tomas de Villanueva. Laboratorio  
de Biología Marina (1958)  
Marianao, Cuba, 15 p.

Las investigaciones marítimas. Una oportunidad de desarrollar la industria pesquera, promover la producción y mejorar la riqueza de los mares cubanos (Research of the sea. An opportunity to develop the fishing industry, promote production & improve the wealth of the Cuban seas)

Gives general notes on oceanography, & describes the installations, & work being done by the Marine Biological Laboratory

584029  
(Card 2)

of the catholic University of Santo Tomas of Villanueva of Havana, Cuba.

HR:hr

Anonymous (1958) 584031  
Times Sci.Rev., (28):10-1

Atomic radiation and ocean research. Proposals from United States National Academy of Sciences

A summary of a report covering the following matters: layers & currents; major problems (dispersion in upper layer, intermediate & deep layers, exchange between layers, sedimentation processes, effects of the biosphere, organisms used as food, effects on marine populations); methods of research, possible experiments (surface waters, thermocline experiment,

584031  
(Card 2)  
bottom-water movements, biological experiments).

HR:hr

Hickling, G. (1958) 584033  
New Scient., 4:758-60  
 The grey seals of the Farne Islands

Popular ill. article dealing with recent ecological surveys of Halichoerus grypus stocks off British NE coast, & referring to recent order of U.K. Parliament permitting killing of this sp.

FAO:sjh M

Robertson, O.H. (1957) 584036  
Science, 126:703  
 The physiology of the pituitary glands of fishes

Review of 580999.

FAO:glk MF

Anonymous (1958) 584034  
New Scient., 4:765  
 Threat to the Nile

Note on establishment of blue water-hyacinth  Eichornia crassipes  in White Nile during winter 1957-58.

FAO:sjh F

Hedgpeth, J.W. (1957) 584037  
Mem.geol.Soc.Amer., (67):17-27  
 Classification of marine environments. 2

Review article in Hedgpeth, J.W., (1957) 'Treatise on marine ecology and paleoecology', 583211.

FAO:sjh M

Sisson, H.A. (1958) 584035  
New Scient., 4:771  
 Sargassi seaweed

Comment on 583054, suggesting possibilities of harvesting floating weed in N. Atlantic, & preparing & using the product.

FAO:sjh M

Hedgpeth, J.W. (1957) 584038  
Mem.geol.Soc.Amer., (67):53-86  
 Obtaining ecological data in the sea. 4

Review article in Hedgpeth, J.W., (1957) "Treatise on marine ecology and paleoecology", 583211.

FAO:sjh M

Fleming, R.H. (1957) 584039  
Mem.geol.Soc.Amer., 1(67):87-107  
General features of the oceans. 5

Review article in Hedgpeth, J.W., (1957)  
"Treatise on marine ecology and  
paleoecology", 583211.

FAO:sjh

M

Gunter, G. (1957) 584042  
Mem.geol.Soc.Amer., 1(67):159-84  
Temperature. 8

Review article in Hedgpeth, J.W., (1957)  
"Treatise on marine ecology and  
paleoecology", 583211.

FAO:sjh

M

Holmes, R.W. (1957) 584040  
Mem.geol.Soc.Amer., 1(67):109-28  
Solar radiation, submarine daylight  
and photosynthesis. 6

Review article in Hedgpeth, J.W.,  
"Treatise on marine ecology and  
paleoecology", 583211.

FAO:sjh

M

Richards, F.A. (1957) 584043  
Mem.geol.Soc.Amer., 1(67):185-238  
Oxygen in the ocean. 9

Review article in Hedgpeth, J.W., (1957)  
"Treatise on marine ecology and  
paleoecology", 583211.

FAO:sjh

M



Pearse, A.S. & G. Gunter (1957) 584041  
Mem.geol.Soc.Amer., 1(67):129-57  
Salinity. 7

Review article in Hedgpeth, J.W.,  
"Treatise on marine ecology and  
paleoecology", 583211.

FAO:sjh

M

Revelle, R. & R. Fairbridge (1957) 584044  
Mem.geol.Soc.Amer., 1(67):239-95  
Carbonates and carbon dioxide. 10

Review article in Hedgpeth, J.W., (1957)  
"Treatise on marine ecology and  
paleoecology", 583211.

FAO:sjh

M

Barnes, H. (1957) 584045  
Mem.geol.Soc.Amer., 1(67):297-343  
Nutrient elements. 11

Review article in Hedgpeth, J.W., (1957)  
"Treatise on marine ecology and  
paleoecology", 583211.

FAO:sjh M

Goldberg, E.D. (1957) 584046  
Mem.geol.Soc.Amer., 1(67):345-57  
Biogeochemistry of trace metals. 12

Review article in Hedgpeth, J.W., (1957)  
"Treatise on marine ecology and  
paleoecology", 583211.

FAO:sjh M

Hedgpeth, J.W. (1957) 584047  
Mem.geol.Soc.Amer., 1(67):359-82  
Marine biogeography. 13

Review article in Hedgpeth, J.W., (1957)  
"Treatise on marine ecology and  
paleoecology", 583211.

FAO:sjh M

Fox, D.L. (1957) 584048  
Mem.geol.Soc.Amer., 1(67):383-9  
Particulate organic detritus. 14

Review article in Hedgpeth, J.W., (1957)  
"Treatise on marine ecology and  
paleoecology", 583211.

FAO:sjh M

Dales, R.P. (1957) 584049  
Mem.geol.Soc.Amer., 1(67):391-412  
Interrelations of organisms. 15.  
A. Commensalism

Review article in Hedgpeth, J.W., (1957)  
"Treatise on marine ecology and  
paleoecology", 583211.

FAO:sjh M

Hopkins, S.H. (1957) 584050  
Mem.geol.Soc.Amer., 1(67):413-28  
Interrelations of organisms. 15.  
B. Parasitism

Review article in Hedgpeth, J.W., (1957)  
"Treatise on marine ecology and  
paleoecology", 583211.

FAO sjh M

Yonge, C.M. (1957) 584051  
Mem.geol.Soc.Amer., 1(67):429-42  
Interrelations of organisms. 15  
C. Symbiosis

Review article in Hedgpeth, J.W., (1957)  
"Treatise on marine ecology and  
paleoecology", 583211.

FAO:sjh

M

Doty, M.S. (1957) 584054  
Mem.geol.Soc.Amer., 1(67):535-85  
Rocky intertidal surfaces. 18

Review article in Hedgpeth, J.W., (1957)  
"Treatise on marine ecology and  
paleoecology", 583211.

FAO:

M

Johnson, M.W. (1957) 584052  
Mem.geol.Soc.Amer., 1(67):443-59  
Plankton. 16

Review article in Hedgpeth, J.W., (1957)  
"Treatise on marine ecology and  
paleoecology", 583211.

FAO:

M

Hedgpeth, J.W. (1957) 584055  
Mem.geol.Soc.Amer., 1(67):587-608  
Sandy beaches. 19

Review article in Hedgpeth, J.W., (1957)  
"Treatise on marine ecology and  
paleoecology", 583211.

FAO:

M

Thorson, G. (1957) 584053  
Mem.geol.Soc.Amer., 1(67):461-534  
Bottom communities. 17

Review article in Hedgpeth, J.W., (1957)  
"Treatise on marine ecology and  
paleoecology", 583211.

FAO:

M

Wells, J.W. (1957) 584056  
Mem.geol.Soc.Amer., 1(67):609-31  
Coral reefs. 20

Review article in Hedgpeth, J.W., (1957)  
"Treatise on marine ecology and  
paleoecology", 583211.

FAO:

M

Limbaugh, C. & F.P. 584057  
Shepard (1957)  
Mem.geol.Soc.Amer., 1(67):633-9  
Submarine canyons. 21  
  
Review article in Hedgpeth, J.W., (1957)  
"Treatise on marine ecology and  
paleoecology", 583211.

FAO: M

Segerstråle, S.G. (1957) 584060  
Mem.geol.Soc.Amer., 1(67):751-800  
Baltic sea. 24

Review article in Hedgpeth, J.W., (1957)  
"Treatise on marine ecology and  
paleoecology", 583211.

FAO: M

Bruun, A.F. (1957) 584058  
Mem.geol.Soc.Amer., 1(67):641-72  
Deep sea and abyssal depths. 22  
  
Review article in Hedgpeth, J.W., (1957)  
"Treatise on marine ecology and  
paleoecology", 583211.

FAO: M

Caspers, H. (1957) 584061  
Mem.geol.Soc.Amer., 1(67):801-89  
Black sea and the sea of Azov. 25

Review article in Hedgpeth, J.W., (1957)  
"Treatise on marine ecology and  
paleoecology", 583211.

FAO: M

Amery, K.O. & R.E. Stevenson (1957) 584059  
Mem.geol.Soc.Amer., 1(67):673-93  
Estuaries and lagoons. 23 - I. Physical  
and chemical characteristics

Review article in Hedgpeth, J.W., (1957)  
"Treatise on marine ecology and  
paleoecology", 583211. A review  
covering physiography - estuaries,  
lagoons, entrances, substrate & tidal  
flats - & environmental factors - tide,  
waves, currents, temperature, salinity,  
oxygen, carbon-dioxide, pH, turbidity  
& nutrients.

FAO:wad MF

Zonkevich, L.A. (1957) 584062  
Mem.geol.Soc.Amer., 1(67):891-916  
Caspian and Aral seas. 26

Review article in Hedgpeth, J.W., (1957)  
"Treatise on marine ecology and  
paleoecology", 583211.

FAO: M

Coe, W.R. (1957) 584063  
Mem.geol.Soc.Amer., 1(67):935-9.  
Fluctuations in littoral populations. 28

Review article in Hedgpeth, J.W., (1957)  
"Treatise on marine ecology and  
paleoecology", 583211.

FAO: M

ZoBell, C.D. (1957) 584066  
Mem.geol.Soc.Amer., 1(67):1035-40  
Marine bacteria

Annotated bibliography on this group,  
in Hedgpeth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh M

Brongersma-Sanders, M. (1957) 584064  
Mem.geol.Soc.Amer., 1(67):941-1010  
Mass mortality in the sea. 29

Review article in Hedgpeth, J.W., (1957)  
"Treatise on marine ecology and  
paleoecology", 583211.

FAO: M

Doty, M.S. (1957) 584067  
Mem.geol.Soc.Amer., 1(67):1041-50  
Marine algae

Annotated bibliography on this group,  
in Hedgpeth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh M

Menzies, R.J. (1957) 584065  
Mem.geol.Soc.Amer., 1(67):1029-34  
Marine borers

Annotated bibliography on this group,  
in Hedgpeth, J.W., (1957), "Treatise on  
marine ecology and paleoecology", 583211.  
Gives introductory notes, & lists papers  
in alphabetical order of authors' names.

FAO:sjh M

Moul, E.H. & R.W. Brown (1957) 584068  
Mem.geol.Soc.Amer., 1(67):1051-8  
Nonalgal marine plants

Annotated bibliography on this group,  
in Hedgpeth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh M

Lohman, K.E. (1957) 584069  
Mem.geol.Soc.Amer., 1(67):1059-67  
Marine diatoms

Annotated bibliography on this group,  
in Hodgpth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh M

Myers, E.H. & W.S. Cole (1957) 584072  
Mem.geol.Soc.Amer., 1(67):1075-81  
Protozoa. Foraminifera

Annotated bibliography on this group,  
In Hodgpth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh M

Riedel, W.R. & E.A. Holm (1957) 584070  
Mem.geol.Soc.Amer., 1(67):1069-72  
Protozoa. Radiolaria

Annotated bibliography on this group,  
in Hodgpth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh M

de Laubenfels, M.W. (1957) 584073  
Mem.geol.Soc.Amer., 1(67):1083-6  
Marine sponges

Annotated bibliography on this group,  
in Hodgpth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh M

Hanna, G.D. (1957) 584071  
Mem.geol.Soc.Amer., 1(67):1073-4  
Protozoa. Silicoflagellata

Annotated bibliography on this group,  
in Hodgpth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh M

Wells, J.W. (1957) 584074  
Mem.geol.Soc.Amer., 1(67):1087-104  
Corals

Annotated bibliography on this group,  
in Hodgpth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh M

Bayer, F.M. (1957) 584075  
Mem.geol.Soc.Amer., 1(67):1105-8  
Recent octocorals

Annotated bibliography on this group,  
in Hedgpeth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh M

Hartman, O. (1957) 584078  
Mem.geol.Soc.Amer., 1(67):1117-27  
Marine worms

Annotated bibliography on this group,  
in Hedgpeth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh M

Osborn, R.C. (1957) 584076  
Mem.geol.Soc.Amer., 1(67):1109-11  
Recent bryozoa

Annotated bibliography on this group,  
in Hedgpeth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh M

Hopkins, S.H. (1957) 584079  
Mem.geol.Soc.Amer., 1(67):1129-33  
Oysters

Annotated bibliography on this group,  
in Hedgpeth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh M

Cooper, G.A. (1957) 584077  
Mem.geol.Soc.Amer., 1(67):1113-6  
Brachiopods

Annotated bibliography on this group,  
in Hedgpeth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh M

Stenzel, H.B. (1957) 584080  
Mem.geol.Soc.Amer., 1(67):1135-41  
Nautilus

Annotated bibliography on this group,  
in Hedgpeth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh M

Howatt, W.G. & J.W. 584081  
Hodgpoth (1957)  
Mem.geol.Soc.Amer., 1(67):1143-50  
Mollusca (except oysters and nautilus)

Annotated bibliography on this group,  
in Hodgpoth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh

M

Johnson, M.W. (1957) 584084  
Mem.geol.Soc.Amer., 1(67):1165-9  
Copepods

Annotated bibliography on this group,  
in Hodgpoth, J. W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh

M

Schmit, W.L. (1957) 583082  
Mem.geol.Soc.Amer., 1(67):1151-9  
Marine crustacea (except ostracods and  
copepods)

Annotated bibliography on this group,  
in Hodgpoth, J.W., (1957). "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh

M

Shuster, C.N., Jr. (1957) 584085  
Mem.geol.Soc.Amer., 1(67):1171-3  
Xiphosura

Annotated bibliography on this group,  
in Hodgpoth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh

M

Tressler, W.L. (1957) 584083  
Mem.geol.Soc.Amer., 1(67):1161-3  
Marine ostracoda

Annotated bibliography on this group,  
in Hodgpoth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh

M

Hodgpoth, J.W. (1957) 584086  
Mem.geol.Soc.Amer., 1(67):1175-6  
Miscellaneous arthropods

Annotated bibliography on this group,  
in Hodgpoth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh

M

Usinger, R.L. (1957) 584087  
Mem.geol.Soc.Amer., 1(67):1177-82  
Marine insects

Annotated bibliography on this group,  
in Hedgpeth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh

M

Cooke, C.W. (1957) 584090  
Mem.geol.Soc.Amer., 1(67):1191-2  
Echinoids

Annotated bibliography on this group,  
in Hedgpeth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh

M

Clark, A.M. (1957) 584088  
Mem.geol.Soc.Amer., 1(67):1183-5  
Crinoids

Annotated bibliography on this group,  
in Hedgpeth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh

M

Deichmann, E. (1957) 584091  
Mem.geol.Soc.Amer., 1(67):1193-5  
Holothurians

Annotated bibliography on this group,  
in Hedgpeth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh

M

Doichmann, E. (1957) 584089  
Mem.geol.Soc.Amer., 1(67):1187-90  
Asteroids and ophiuroids

Annotated bibliography on this group,  
in Hedgpeth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh

M

Abbott, D.P. (1957) 584092  
Mem.geol.Soc.Amer., 1(67):1197-9  
Chordates. Ascidiarians

Annotated bibliography on this group,  
in Hedgpeth, J.W., (1957?) "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh

M

Berner, L.D. (1957) 584093  
Mem.geol.Soc.Amer., 1(67):1201  
Chordates. Pelagic tunicates

Annotated bibliography on this group,  
in Hedgpeth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh

M

Schmidt, K.P. (1957) 584096  
Mem.geol.Soc.Amer., 1(67):1211-2  
Amphibians

Annotated bibliography on this group,  
in Hedgpeth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh

M

Raney, E.C. (1957) 584094  
Mem.geol.Soc.Amer., 1(67):1203-4  
Marine cyclostomes

Annotated bibliography on this group,  
in Hedgpeth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh

M

Schmidt, K.P. (1957) 584097  
Mem.geol.Soc.Amer., 1(67):1213-5  
Reptiles (except turtles)

Annotated bibliography on this group,  
in Hedgpeth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh

M

Guntor, G. (1957) 584095  
Mem.geol.Soc.Amer., 1(67):1205-10  
Marine fishes (other than cyclostomes)

Annotated bibliography on this group,  
in Hedgpeth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh

M

Zangorl, R. (1957) 584098  
Mem.geol.Soc.Amer., 1(67):1217  
Sea turtles

Annotated bibliography on this group,  
in Hedgpeth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh

M

Friedmann, H. (1957) 584099  
Mem.geol.Soc.Amer., 1(67):1219-21  
Birds

Annotated bibliography on this group,  
in Hedgpeth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh

M

Kollogg, R. & F.C. 584100  
Whitmore, Jr. (1957)  
Mem.geol.Soc.Amer., 1(67):1223-5  
Marine mammals

Annotated bibliography on this group,  
in Hedgpeth, J.W., (1957), "Treatise on  
marine ecology and paleoecology",  
583211. Gives introductory notes, &  
lists papers in alphabetical order of  
authors' names.

FAO:sjh

M

Larkin, P.A. (Ed.) (1958) 584101  
University of British Columbia,  
Vancouver, 111 p.

The investigation of fish-power  
problems - H.R. MacMillan lectures in  
fisheries

Contains 584102, 584103, 584104,  
584105, 584106, 584107, 584108, 584109,  
584110, & 584111.

WAD:glk

F

Clomons, W.A. (1958) 584102  
In "The investigation of fish-power  
problems - H.R. MacMillan lectures in  
fisheries", by Larkin, P.A. (Ed.), 1958,  
The University of British Columbia,  
Vancouver, 3-10

The Fraser river salmon in relation to  
potential power development

Consideration of some problems of salmon  
biology with regard to the effects of  
dams on the Fraser river. Racial groups,  
cycle year-classes, numbers in the  
spawning runs, & in the runs of seaward  
migrating smolts. Dam construction  
proposals & their likely effect on the  
salmon runs. Relations between fish &  
environments.

WAD:glk

F

Vernon, B.H. (1958) 584103  
In "The investigation of fish-power  
problems - H.R. MacMillan lectures in  
fisheries", by Larkin, P.A. (Ed.), 1958,  
The University of British Columbia,  
Vancouver, 11-4

Power development on lakes in British  
Columbia

Discussion of changes of hydrological  
regime produced by dams on natural lakes  
which increase the maximum volume of the  
lake but also increase the surface area  
at the littoral subject to inundation &  
exposure. Effects on biota generally &  
on salmon reproductive habits.

WAD:glk

F

Hourston, W.R. (1958) 584104  
In "The investigation of fish-power  
problems - H.R. MacMillan lectures in  
fisheries", by Larkin, P.A. (Ed.), 1958,  
The University of British Columbia,  
Vancouver, 15-24

Power developments and anadromous fish  
in British Columbia

Review of fishery problems associated  
with diversion-type power developments.  
Effects on adult migration, spawning  
incubation, seaward migration & rearing  
of resident spp. below, at & above dam.

WAD:glk

F

Rawson, D.S. (1958) 584105  
In "The investigation of fish-power problems - H.R. MacMillan lectures in fisheries", by Larkin, P.A. (Ed.), 1958, The University of British Columbia, Vancouver, 27-42

Indices to lake productivity and their significance in predicting conditions in reservoirs and lakes with disturbed water levels

Factors affecting the metabolism of a lake. Selection of factors most informative as to lake production. Experiences with reservoirs in the Rocky Mountains, & report of estimates on certain reservoirs.

WAD:glk

F

Neave, F. (1958) 584106  
In "The investigation of fish-power problems - H.R. MacMillan lectures in fisheries", by Larkin, P.A. (Ed.), 1958, The University Of British Columbia, Vancouver, 43-8

Stream ecology and production of anadromous fish

Review of requirements of anadromous fish in freshwater, as background for estimating the effects likely to be produced by changes of the natural habitat produced by power projects.

WAD:glk

F

Black, B.C. (1958) 584107  
In "The investigation of fish-power problems - H.R. MacMillan lectures in fisheries", by Larkin, P.A. (Ed.), 1958, The University of British Columbia, Vancouver, 51-67

Energy stores and metabolism in relation to muscular activity in fishes

Review of literature on technical stores for energy & metabolic changes following muscular activity in fishes, with a view to the applications of this knowledge to problems of fisheries management, such as fishways, spawn-protection, handling of line-fish.

WAD:glk

F

Brett, J.R. (1958) 584108  
In "The investigation of fish-power problems - H.R. MacMillan lectures in fisheries", by Larkin, P.A. (Ed.), 1958, The University of British Columbia, Vancouver, 69-83

Implications and assessments of environmental stress

Definition of 'stress' in terms to permit quantitative expression of it by estimate of chances of survival or measurement of reduction in capacity for normal performance. Classification of environmental factors producing stress. Implications for salmon with regard to toxic levels & downstream migration.

WAD:glk

F

Collins, G. (1958) 584109  
In "The investigation of fish-power problems - H.R. MacMillan lectures in fisheries", by Larkin, P.A. (Ed.), 1958, The University of British Columbia, Vancouver, 85-91

The measurement of performance of salmon in fishways

Account of some work in an experimental flume on the effect of gradient on rates of fish passage, capacity of a standard pool type fishway to pass fish per unit time, & water velocities most "attractive" to fish.

WAD:glk

F

Fry, F.E.J. (1958) 584110  
In "The investigation of fish-power problems - H.R. MacMillan lectures in fisheries", by Larkin, P.A. (Ed.), 1958, The University of British Columbia, Vancouver, 93-7

Approaches to the measurement of performance in fish

Measurement of cruising speed as measure of performance of fish. Description of apparatus for this measurement. Relation between cruising speed & temperature, metabolism & performance, scope for activity & speed of swimming.

WAD:glk

F

<p>Hoar, W.S. (1958) 584111  In "The investigation of fish-power problems - H.R. MacMillan lectures in fisheries", by Larkin, P.A. (Ed.), 1958, The University of British Columbia, Vancouver, 99-111  The analysis of behaviour of fish</p> <p>Definition of the science of animal behaviour, statement of its aims &amp; objectives, summary of present status of pertinent theoretical information concerning fish behaviour (appetitive behaviour, hierarchical organization of movements, heterogeneous summation, displacement &amp; "fall back" phenomena, learning) &amp; the potential contributions</p>	<p>Anonymous (1958) 584114  <u>Dansk FiskTid.</u>, 76:515-6  Fiskerierhvervets finansieringsforhold og fiskerigraenseproblemet praegede den nordiske fiskerikonference på Hindsgavl (The conditions for financing fish trade and the problems of fishery boundaries (limits of territorial waters) dominated the Fisheries Conference of the North in Hindsgavl)</p> <p>Review of discussions at the conference, 11-14 August 1958. Continuation in 584117.</p> <p>FAO:tl MF</p>
<p>584111  (Card 2)  of ethology to the fish-power problem.</p> <p>VAD:glk F</p>	<p>Anonymous (1958) 584115  <u>Dansk FiskTid.</u>, 76:519  Den store sildemaerkning (The great tagging of herring)</p> <p>Review of the programme, methods &amp; aims of the international tagging of herring in the North Sea.</p> <p>FAO:tl M</p>
<p>Di Costanzo, C.J. &amp; 584113  R.L. Ridenhour (1957)  <u>Proc.Iowa Acad.Sci.</u>, 64:621-8  Angler harvest in the summers of 1953 to 1956 at Clear Lake, Iowa</p> <p>Creel census analysis showing changes in catch composition &amp; fishing effort.</p> <p>SJH:tjj F</p>	<p>Anonymous (1958) 584116  <u>Dansk FiskTid.</u>, 76:522  Laksens fjende nr. 1 er marsvinet (Salmons enemy no. 1 is porpoise)</p> <p>Notes on G. Svärdsson's theory of the inverse relation between salmon &amp; porpoise, <u>Phocaena communis</u>, stocks in the Baltic</p> <p>FAO:tl MF</p>

Anonymous (1958) 584117  
Dansk FiskTid., 76:531-2  
Udtalelserne på Hindsgavl mødet om  
fiskerigrænseproblemet m.v.  
(Opinions and statements in the Meeting  
at Hindsgave referring to sea frontiers,  
etc.)

Review of discussions at the conference,  
11-14 August, 1958. Continuation from  
584114.

FAO:t1

MF

M

h.k. (1958) 584118  
Dansk FiskTid., 76:533  
Vesttysk fiskerividenkab anbefaler  
makrelfiskeri i Nordsøen (West  
German fishery science recommends  
mackerel fishery in the North Sea)

Notes on the possibilities of catching  
mackerel for processing & their  
catchability by trawl at night.

FAO:t1

M

M

Lund, O. (1958) 584119  
Dansk FiskTid., 76:541-2  
Folketsretsreglerne på havet (Inter-  
national law on the sea)

Review of the proceedings & discussions  
of the Geneva Conference, 1958.

FAO:t1

M

M

Aksenov, A.A. (1957) 584120  
Trud.Gosud.Okceanogr.Inst., 34:73-85  
Nekotorye osobennosti abrazii beregov  
Azovskogo moria (Some  
characteristics of the erosion of the  
shores of the sea of Azov)

Aksenov, A.A. (1957) 584121  
Trud.Gosud.Okceanogr.Inst., 34:86-92  
O vliianii sgonno-nagoniikh kolebanii  
urovnia na dinamiku otmelogo beroga  
(Influence of short-period variations  
of level on changes of a shallow shore  
line)

Association d'Océanographie 584122  
Physique (1957)  
Pub.Sci., (17):65 p.  
Bibliography on tides 1940-1954

<p>Association d'Océanographie Physique (1958)  <u>Pub.Sci.</u>, (19):78 p.  Monthly and annual mean heights of sea-level 1952 to 1956 and unpublished data for earlier years</p> <p>M</p>	<p>Defant, A. (1957)  <u>Naturwissenschaften</u>, 44:214-25  Aufgaben und Ergebnisse der modernen Meeresforschung (Problems and results in the modern oceanography)</p> <p>M</p>
<p>Bonnofillo, R. (1957)  <u>Mem.Trav.Soc.hydrotech.Franco</u>, 2:154-61  Experimental study of the influence of the Coriolis force on the tide propagation in the English Channel</p> <p>M</p>	<p>Garner, D.M. (1957)  <u>N.Z.Dep.sci.ind.Res.Bull.</u>, 122:18-27  Hydrology of Chatham Rise</p> <p>M</p>
<p>Brodie, J.W. (1957)  <u>N.Z.Dep.sci.ind.Res.Bull.</u>, 122:28-30  Marine geology of the Chatham Islands area</p> <p>M</p>	<p>Geddes, A.E.M. (1958)  <u>Bull.seismol.Soc.Amer.</u>, 48:65-76  A survey of the microseisms recorded at Aberdeen in 1955, together with a review of the meteorological conditions under which they may have arisen</p> <p>Contents as per title.</p> <p>M</p>

<p>Gershanovich, D.B. &amp; E.K. 584129  Zabelina (1957)  <u>Trud.Gosud.Okeanogr.Inst.</u>, 34:93-141  Geomorfologicheskie i litologicheskie  issledovaniia akkumulativnogo berega  Okhotskogo moriia v raione Okhotska  (Geomorphologic and lithologic  investigations of the aggraded shores  around Okhotsk in the Okhotsk sea)</p>	<p>Hersey, J.B. (1957) 584132  <u>Advanc.Electron.</u>, 9:239-95  Electronics in oceanography</p>
<p>Greenspan, H.P. &amp; C.E. 584130  Tschigg (1957)  <u>J.Ros.nat.Bur.Stand.</u>, 59:249-54  Detormination by a direct method of the  speed of sound in water</p>	<p>Ivanoff, A. (1957) 584133  <u>Ann.géophys.</u>, 13:22-52  Contribution à l'étude des propriétés  optiques de l'eau de mer en Bretagne et  on Corse, et la théorie de la polarisa-  tion sous-marine (Contribution to  the study of the optical properties of  the sea water in Brittany &amp; at Corsica,  &amp; the theory of sub-marine polarisation)</p>
<p>Hashimoto, T. &amp; al. (1958) 584131  <u>Tech.Rep.Fish.Boat</u>, 11:122-41  Propagation characteristic of 1 MC  ultrasonic sound in sea water</p>	<p>Koczy, F.F., M. Tomic &amp; 584134  F. Hecht (1957)  <u>Goochim. &amp; cosmochim.Acta</u>, 11:86-102  Zur Goochemie des Urans im Ostsee-  becken (The goochemistry of the  uranium in the Baltic Basin)</p>

Kussman, A.S. (1957) 584135  
Trans.N.Y.Acad.Sci., 45:494-511.  
 The storm surge problem in New York  
 City

M

Kaj, J. & B. Włoszczyński (1957) 584138  
Poznań, 32 p.  
 Dojrzwowanie płciowe i płodność ikrzyc  
 szczupaka z dorzecza Warty jako podstawy  
 do normowania wymiarów ochronnych  
 (The sexual maturity and prolificity of  
 female pikes from the Warta basin as a  
 basis for regulating protective standard  
 dimensions)

F

Lumby, J.R. & O.H. Saalen (1957) 584136  
Publ.sci.Ass.Oceanogr.phys., (16):30 p.  
 Report on oceanographical work from  
 ocean weather ships

M

Stroud, R.H. & E.A. 584139  
 Seaman (Ed.) (1957)  
Sport Fishing Institute, 172 p.  
 Fish conservation highlights of 1956

A detailed review of sport fisheries  
 management, research & administration in  
 the U.S. & Canada during 1956.

WAD:wad

MF

Tylor, J.E. (1957) 584137  
J.Opt.Soc.Amer., 47:346  
 A nephelometer for underwater measure-  
 ments

MF

International Commission for the 584140  
 Northwest Atlantic Fisheries (1957)  
Halifax, N.S., Canada, 13 p.  
 Annotated list of pertinent papers 1956

Papers in hydrography, biology & other  
 subjects.

FiB:glk

M

U.K. Ministry of Agriculture 584141  
Fisheries & Food (1957)  
Fish.Lab., Lowestoft, (minco), 6 p.  
Study of fish-finder for ground-fish  
(Rep. no. 1, technical examinations and  
experiments on fish-finder for ground-  
fish)

English translation of original article  
by Hashimoto, T. & Y. Maniwa, 1956,  
Tech.Rep.Fish.Boat, (9):175-82.

FIB:

M

Green, J. (1958) 584144  
Proc.zool.Soc.Lond., 131:301-13  
Copepoda parasitic on British amphipoda  
(Crustacea), with a description of a  
new species of Sphaeronella

Ill. account of investigations on  
Rhizorhina ampeliscac Hansen, Sphaero-  
nella louckarti Salonsky, Sphaeronella  
danica Hansen, Sphaeronella longipes  
Hansen, Sphaeronella valida Scott, &  
new sp. Sphaeronella pikci; incl.  
description of larva of S. danica & male  
of S. longipes & record of new hosts:  
Aora typica, Erichthonius brasiliensis,  
Ampelisca tenuicornis & Pontocrates  
arcnarius.

FAO:cfa

M

Tirmizi, N.M. (1958) 584142  
Proc.zool.Soc.Lond., 131:231-44  
A study of some developmental stages of  
the thelycum and its relation to the  
spermatophores in the prawn Penacus  
japonicus Bate

Ill. account of study of genitalia of  
this sp. caught in Bay of Bengal, with  
special reference to development of  
thelycum in females.

FAO:cfa

M

Shollard, H.C. (1958) 584145  
Mar.Obs., 28:198-204  
Some measurements of temperature and  
humidity profiles near the sea surface

Description of new apparatus, thermo-  
buoy, & methods of temp. & humidity  
observations; presentation of some  
results obtained.

FAO:cfa

M

Eastham, L.E.S. (1958) 584143  
Proc.zool.Soc.Lond., 131:279-91  
The abdominal musculature of nymphal  
Chloeon dipterum L. (Insecta Ephemero-  
ptera) in relation to gill movement and  
swimming

Description of gills of this ephemo-  
ropteron, the current set up by them  
over the body, & muscular mechanism  
making gill movement & swimming possible

FAO:cfa

F

Brown, S.G. (1958) 584146  
Mar.Obs., 28:209-16  
Whales observed in the Atlantic ocean.  
Notes on their distribution. Part II

Contents as per title.

FAO:cfa

M

Indonesia. Ministry of 584147  
Agriculture. Institute of Marine  
Research (1958)

Djakarta, Indonesia

Surface salinities in Indonesian and  
surrounding waters

Monthly maps with mimeographed notes  
on the surface distribution of  
salinity.

FiB:tl

M

Wise, J.P. (1958) 584150  
Spec.sci.Rep.Fish Wildl.Serv., (245):  
16 p.

Cod and hydrography - A review

A detailed compilation review of  
effect of hydrographic conditions on  
life cycle of cod, with a full  
bibliographic list.

FAO:efa

M

Charlier, F. (1957) 584148  
San Paulo, Brasil, 51 p.

Proteção à fauna aquática nos rios  
brasileiros (Protection of the  
aquatic fauna of Brazilian rivers)

A review of the problem & work done to  
protect the fish fauna of Brazilian  
rivers from the effect of a growing  
industrialization of the country,  
followed by recommendations.

FiB:hr

F

Anderson, W.W. & M.J. 584151  
Lindner (1958)

Spec.sci.Rep.Fish Wildl.Serv., (256):  
13 p.

Length-weight relation in the common  
or white shrimp, Penaeus setiferus

Gives monthly tables of length-weight  
distribution of Texas shrimp for  
1-year period.

FAO:efa

M

Robins, C.R. (1957) 584149  
Progr.Rep.Charles F. Johnson ocean.  
Gamefish Invest., 57-28:10 p.

Summary of investigations for the  
period comprising May 1957 through  
October 1957

Contains notes on billfish nomenclature,  
food of billfishes on the Pacific  
coast of Panama, biology of Istiophorus  
greyi, Makaira marlina, M. mazara,  
Coryphaena hippurus & a list of game  
fishes on that same coast.

SJH:hr

M

Taylor, F.R. (Comp.) (1957) 584152  
Libr.Ass., Chaucer House, London, W.C.I,  
12 p.

Cybernetics no. 17 - A special subject  
list

A bibliography with titles of books &  
periodical articles in alphabetical  
order of authors; some are annotated.

FAO:sjh

MF

Obregon, F. (1958) 584153  
Banco Nacional de Credito Ejidal,  
Mexico, 40 p.

El cultivo de la carpa seleccionada de  
Israel en Mexico (The culture of  
selected carp of Israel in Mexico)

A pamphlet describing Cyprinus carpio  
culture in Mexico.

FiB:hr

F

Faires, R.A. & B.H.Parks (1958) 584156  
Pitman Publishing Corp., New York, 244 p.  
Radio-isotope laboratory techniques

Based on experience at Harwell. Some  
introductory matter on nuclear physics,  
practical advice on laboratory design,  
equipment, handling of materials, &  
various techniques useful to the  
laboratory investigator. Considers the  
feasibility of using isotopes for a  
specific project & factors dictating  
choice of specific isotopes.  
Bibliographies with chapters.

:sjh

MF

Garnier, B.J. (1958) 584154  
Edward Arnold Ltd., London, 191 p.  
The climate of New Zealand; a geographic  
survey

Monograph written from the geographical  
point of view: climate as a factor of  
position & physiography. Following a  
broad survey of climatic phenomena &  
influential physical characteristics,  
the author presents a series of  
regional studies.

:sjh

F

Zworykin, V.K. & al. (1958) 584157  
John Wiley & Sons, Inc., New York, 300 p.  
Television in science and industry

Relatively nontechnical presentation of  
closed-circuit television. A survey of  
existing equipment, applications, &  
potentialities, with some theory &  
historical background. Incl. list of  
commercial closed-circuit television  
equipment.

:sjh

MF

Wright, W.D. (1958) 584155  
The Macmillan Co., New York, 263 p.  
The measurement of colour

This second English edition is revised  
considerably as compared with the 1st  
edition. The purpose is to "describe  
the principles, methods, & applications  
of the trichromatic system of colour  
measurement".

:sjh

MF

Morse, P.M. (1958) 584158  
John Wiley & Sons, Inc., New York, 202 p.  
Queues, inventories and maintenance;  
the analysis of operational systems  
with variable demand and supply

An introduction to the terminology,  
applications, & analytical aspects of  
queuing theory. Intended as a guide for  
the reader who will then be able to set  
up his own mathematical model to fit a  
particular operation. Glossary of  
symbols, definition & properties of  
functions tabulated. Brief bibliography.

:sjh

MF

Horton, J. Warren (1957) 584159  
U.S. Naval Inst., Annapolis Maryland,  
387 p.

Fundamentals of sonar

Comprehensive textbook originally produced as notes for a course in naval electronics given at M.I.T. & later revised for courses in sonar given at the U.S. Navy Underwater Sound Laboratory.

:sjh

M

Kuronuma, K. (1957) 584162  
Contributed Publ. IPFC/C57/CP 35  
On chemical components of Tilapia

Percentages of moisture, protein, fat, ash, calcium, phosphorus & iron with coloric values.

GLK:tjj

F

Fair, G.M. & J.C. Geyer (1958) 584160  
John Wiley & Sons, Inc., New York, 615 p.  
Elements of water supply and waste-water disposal

Simplification & shortoned version of the authors'"Water Supply and Waste-water Disposal", 1954.

:sjh

F

U.S. Department of the Interior 584163  
Fish & Wildlife Service (1957)  
Rep. Branch of Fishery Biology, 102 p.  
Annual report for the fiscal year 1956

Reports research activities under main headings: Inland; Marine; Anadromous; Shell-fisheries, & under each division by particular investigations. Lists publications & names of research personnel.

FAO:sjh

MF

Ahrens, L.H. & al. (Ed.) (1957) 584161  
Pergamon Press, London, 259 p.  
Physics and chemistry of the earth.  
Vol. 2

Contains articles by W.S. von Arx, F.A. Richards & M.N. Hill (581747 581749 & 581750).

:sjh

M

Djaingsastro, A. (1957) 584164  
Berita Perik., (1-2):5 p.  
"Paddy-cum-milkfish" culture, a creation from the lowlands of the Solo river

Classifies brackish water ponds & describes the use of one type irrigation, silted inland ponds for culture of Chanos with rice with the help of excavated moats.

GLK:tjj

F

Aubert de la Rue, E., F. 584165  
Bourlière & J.-P. Harroy (1957)  
Alfred A. Knopf, New York, 208 p.  
The tropics

Incl. account of aquatic vegetation in the tropics.

:sjh

F

Pope, C.H. (1957) 584168  
Alfred A. Knopf, New York, 194 p.  
Reptiles round the world

Popular manual with chapters on locomotion, feeding, reproduction, growth, & age of reptiles, incl. aquatic forms.

:sjh

MF

Reese, W.J. (1957) 584166  
Bull. Brit. Mus. (Nat. Hist.), Zool., 4:  
453-534

Evolutionary trends in the classification of capitate hydroids and medusae

In an attempt to replace the usual dual system these two coelenterate forms are here for the first time integrated into one classification.

:sjh

M

Costello, D.P. & al. (1957) 584169  
Mar. Biol. Lab., Woods Hole, 247  
Methods for obtaining and handling marine eggs and embryos

A manual on collection & use of mainly invertebrate embryos as experimental material, & dealing primarily with the fauna of the Woods Hole region.

:sjh

M

Mason, H.L. (1957) 584167  
Univ. California Press, Berkeley & Los Angeles, 878 p.  
A flora of the marshes of California

An ill. handbook of aquatic & semi-aquatic plants, incl. information on habitats, & the distribution of the marshlands; keys to families, genera & spp.

:sjh

F

Schoer, B.T. & al. (Ed.) (1957) 584170  
Univ. of Oregon Publ., Eugene, 304 p.  
Recent advances in invertebrate physiology

Incl. the following papers specifically concerning aquatic animals: Diurnal migration of plankton crustaceans, by L.R. Baylor & F.E. Smith; Prey-predator recognition in the lower invertebrates, by L.M. Passano; Endocrinology of invertebrates, particularly crustaceans, by L.H. Kleinholz; The hormonal control of metabolism in decapod crustaceans, by B.T. Schoer; Osmotic & sonic regulation in aquatic invertebrates, by

584170  
(Card 2)

J.D. Robertson; Some features of the physiology of the tunicate heart, by B.J. Krijgsman & N.E. Krijgsman.

:sjh

MF

Deacon, G.E.R. (1957)

584174

Nature, Lond., 180:894-5

International co-operation in marine research

Report of the meeting of the Special Committee on Oceanic Research, established by the International Council of Scientific Unions, in Woods Hole, August 1957, & of the work of Unesco & other agencies in the marine sciences field.

GLK:glk

M

Anonymous (1957)

584172

Popul.Stud., 22:437 p.

Animal ecology and demography

MF

Abrahám, A. & E.Minker (1957)

584175

Nature, Lond., 180:925-6

Innervation of the lamellibranch muscle

Names a method for revealing & partially describes the innervation of the adductors of Unio & Anodonta.

GLK:wad

F

Anonymous (1957)

584173

Nature, Lond., 180:892

Pink shrimps and red prawns

Cites 2 recent papers - Mistakidis, M.N., 571128, & Horstod & Smidt, Modd.Komm. Havundersog., Kbh., 1(11), 1956, - describing protandric hermaphroditism in Pandalus borealis & the natural history & the actual, & potential fishery of this sp. in Greenland waters.

GLK:tjj

MF

Mayer, A.M. & A.

584176

Poljakoff-Mayber (1957)

Nature, Lond., 180:927

Tactic movements in Chlamydomonas moewussi

Describes taxis under different combinations of illumination & gas phases.

GLK:wad

F

Asami, T. (1958) 584177  
Rep.Nankai reg.Fish.Res.Lab., (7):1-18  
 (On the patterns of development and growth of Japanese anchovy along the coast of Nankai and Nankai regions of Japan). Ni En

A study of patterns in seasonal variation of mean vertebral number of young; correspondence of 4 recruitment modes with 4 patterns distinguished.

FAO:sjh M

Yamanaka, H. (1958) 584180  
Rep.Nankai reg.Fish.Res.Lab., (7):37-47  
 (Variability of hooked-rated for broad-bill swordfish in the North Pacific). Ni En

Analysis of variance of catches of Xiphias gladius between & within trips by commercial boats landing at Tokyo market, Jan. 1953 to March 1956. Differences in validity for types of operation (depending on use or not of Nakauke float; whether gear set day or night; whether bait is squid or saury.

FAO:sjh M

Asami, T. (1958) 584178  
Rep.Nankai reg.Fish.Res.Lab., (7):19-29  
 (On the condition of dispersal and clustering of fish eggs in the sea. I.). Ni En

Four seasonal peaks in monthly catches of young anchovy do not correspond with spawning patterns in Nankai region. Seasonal variation of shifting of eggs & larval distribution are considered with reference to the data on Hyuga Nada lines.

FAO:sjh M

Mimura, K. (1958) 584181  
Rep.Nankai reg.Fish.Res.Lab., (7):49-58  
 (Fishing condition of the so-called Indo-magro (Thynnus maccoyi?) in the eastern seas of the Indian Ocean). Ni En

Fishing area by long-lino, & seasonal changes, size composition of catch; gonad stages.

FAO:sjh M

Kamiura, F. (1958) 584179  
Rep.Nankai reg.Fish.Res.Lab., (7):30-6  
 (Mixing status of several fish species as revealed by fish school research). Ni En

Seasonal & annual variations from 1953-56 on Hyuga Nada lines in trace counts for anchovy, sardine, round herring, horse mackerel & mackerel. Kinds of geographic distribution found depend upon whether one or two spp. are dominant or none of them.

FAO:sjh M

Mimura, K. (1958) 584182  
Rep.Nankai reg.Fish.Res.Lab., (7):59-71  
 (Study of the fishing condition of the yellowfin in the Indian Ocean, especially on the annual differences of the hooked-rate and size composition).

Decrease of catch per unit effort, of modal size, & of relative abundance of large fish since fishery started is considered as an effect of fishing. Also conclusions regarding localization of stock movements.

FAO:sjh M

Watanabe, H. (1958) 584183  
Rep.Nankai reg.Fish.Res.Lab., (7):72-81  
(On the difference of the stomach  
content of the yellowfin and bigeye  
tunas from the western equatorial  
Pacific). Ni En

Comparisons of qualitative &  
quantitative data obtained from stomach  
examinations 1950-53; conclusions  
regarding depths at which the spp. swim  
& their diurnal migration pattern.

FAO:sjh

M

Suda, A. (1958) 584186  
Rep.Nankai reg.Fish.Res.Lab., (7):105-26  
(Attempts at estimating the abundance  
of fish population from the data of  
tuna long line fishery... I.).  
Ni En

An analysis of catches of albacore, by  
2° squares & months, in the N. Pacific,  
to determine best abundance index, &  
its variability.

FAO:sjh

M

Yabuta, Y. & M. Yukinawa (1958) 584184  
Rep.Nankai reg.Fish.Res.Lab., (7):82-7  
(Studies on the yellowfin tuna... II.  
Size compositions in the adjacent waters  
of the east Carolines). Ni En

Seasonal variations; dates of  
recruitment, & emigration of larger  
fish.

FAO:sjh

M

Suda, A. (1958) 584187  
Rep.Nankai reg.Fish.Res.Lab., (7):127-48  
(Attempts at estimating the abundance  
of fish population from the data of tuna  
long line fishery... II.). Ni En

Analysis of February catches, 1954-56,  
of albacore on Kinan ground, N.  
Pacific to determine best stratification.

FAO:sjh

M

Yabuta, Y., N. Anraku & 584185  
M. Yukinawa (1958)  
Rep.Nankai reg.Fish.Res.Lab., (7):88-99  
(Studies on the yellowfin tuna... III.  
Annual variations of the size  
compositions and the hooked-rates of  
yellowfin tuna distributing in  
equatorial Pacific). Ni En

Examination of variations in apparent  
abundance & modal size, 1950-56;  
suggestion of periodism; synchronous  
changes in different areas suggest  
continuity of stocks.

FAO:sjh

M

Bellet, R. (1958) 584188  
Bull.franc.Pisc., 30:113-24  
Du syndrome entero-hepato-renal chez la  
truite arc-en-ciel de pisciculture  
(Syndrome entero-hepatic-renal in  
cultured rainbow trout)

Describes the symptoms, diagnosis,  
etiology, pathogenesis & treatment of  
the disease.

FAO:hr

F

Goux, M. (1958) 584189  
Bull.franç.Pisc., 30:125-30  
 L'acclimatation de la palée (Coregonus schinzi Fatio) dans le lac de Saint-Point (Doubs) (Acclimatization of Coregonus schinzi Fatio in the lakes of Saint-Point (Doubs) )

Gives the reasons & advantages of the introduction of the sp.

FAO hr

F

Uner, S. (1958) 584192  
Balık Balıkçılık, 6(10):27-9  
 Balina ve Avcılığı (Whale and its catch)

A popular article on biology & fishing of whales.



SJH:ofa

M

Aytokin, H. (1958) 584190  
Balık Balıkçılık, 6(10):7-14  
 Balıkçılık Anmı İdaresi (Fisheries Public Administrations)

Popular article describing functions & duties of Administration.

SJH:ofa

MF

Scottish Marine Biological Association (1957) 584193  
Marine Station, Millport, 30  
 Annual report for the year ended 5 April 1957

Lists Office-bearers, members of council & staff. Gives obituaries, Association membership & accounts; reports for each laboratory the changes in facilities, operations of research vessels, research projects in progress (with interim results), papers published during the year, visitors, library additions, & educational activities.

TiF sjh

M

Artüz, M.I. (1958) 584191  
Balık Balıkçılık, 6(10):15-7  
 Karadeniz Havzası Mersin balıkları hakkında (About the sturgeons of the Black Sea Basin)

Short paper incl. determination keys for Huso huso, Acipenser sturio, A. nudipectus, A. ruthenus, A. stellatus & A. guldentaceti & some suggestions for preservations of stocks.

SJH:ofa

M

Farb, P. (1957) 584194  
Reader's Digest, October, 4 p.  
 Clean up all our poisoned rivers!

A popular article on water pollution with emphasis on the need for public campaigns to initiate control, & a brief account of the new U.S. Water Pollution Control Act (Public Law 660). Condensed from National Municipal Review, September 1957.

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Isolin, C.O'.D. (1958)	583487	Kawai, K. (1958)	583401
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Jacob, C.E. (1958)	583855	Khlebovich, V.V. (1958)	583810
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Kirpichnikov, V.S. (1958)	583824	Loder, I.Z. & N.M.	
Kisslinger, C. (1958)	583840	Pastukhova (1958)	583560
Kloinenberg, S.B. & A.V.		Lodnev, V.A. (1958)	583511
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Koczy, F.F., M. Tomic &		Lotacounoux, R. (1958)	583626
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Kriss, A.E., A.S. Tikhonenko			583919
& V.I. Biriuzova (1958)	583228	Livanov, N.A. (1958)	583315
Krumholtz, L.A. & al. (1957)	583504	Lockwood, A.P.M. & P.C.	
Kubo, I. & L. Asada (1957)	583359	Croghan (1957)	583997
Kubo, S. (1957) 583362	583367	Lofts, B. & A.J. Marshall (1957)	584022
Kubo, T. (1958)	583379	Lohman, K.H. (1957)	584069
Kugler, S. (1958)	583294	Long, F.I. (1957)	583889
Kuroki, T. (1958)	583687	Longfield, C. (1957)	583976 583990
Kuroki, T. & H. Chuman (1958)	583685	Lowe, H.L. (1958)	583667
Kuroki, T. & H. Nakayama (1958)	583688	Lubny-Gertsyk, L.A. (1958)	583806
Kuroki, T. & Y. Marasako (1958)	583686	Lubyanov, I.P. (1958)	583307
Kuronuma, K. (1957)	584162	Lucas, C.L. (1957)	583772
Kusaka, T. (1958)	583407	Luferov, V.P. (1958)	583234
Kussman, A.S. (1957)	584135	Lumby, J.R. (1958)	583843
Kuzin, P.S. (1958)	583816	Lumby, J.R. & O.H. Saclen (1957)	584136
Kyushin, K. (1957)	583366	Lumbyo, J. (1958)	583658
		Lund, J.W.G. (1957)	583873 583876
Lagunov, I.I. (1958)	583273		583898
Lakshman, A.B. (1958)	583459	Lund, O. (1958)	584119
Lamotto, M., G. Lauwarior		Luskin, B. (1958)	583831
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Larkin, P.A. (1958)	584101	MacKenzie, W.C. (1958)	583334
Laszczyński, S. (1958)	583339	Mackeroth, F.J.H. (1957)	583890
Lauwarior, G. (1957)	583751	Madson, K.P. (1958)	583615
Law, F. (1957)	583887	Magnússon, J. (1958)	583522

Main, W. (1958)	583594	583596	583601	Mimura, K. (1958)	584181	584182
Makkink, G.F. (1957)			583891	Minkor, L. (1957)		584175
Mandahl-Barth, G. (1958)			583449	<b>Minkovich, L.V. (1958)</b>		583269
Manca, Gh.I. & M. Mihai (1957)			583499	Minoda, T. (1958)		583373
Manton, I. (1957)			583902	Miyake, M. (1958)		583386
Manuilova, E.F. (1958)			583801	Monakov, A.V. (1958)	583241	583416
Manwoll, C. (1958)			583827	Monkhouse, A.C. (1957)		583892
Marcström, A. (1958)			583329	Morris, R. (1957)		584019
Marius, I. (1957)			583498	Morse, P.M. (1958)		584158
Marlier, G. (1958)			583663	Mossman, A.S. (1958)		583675
Maroc. Service Centrale de Statistique (1958)	583441		583457	Moul, E.H. & R.W. Brown (1957)		584068
Marshall, A.J. (1957)			584022	Moulton, J.M. (1958)		583670
Marshall, K.L. (1958)			583785	Mouriquand, G., V. Edol & R. Chighizola (1958)		583434
Martin, A.C., R.C. Erickson & J.H. Steenis (1957)			583714	Mučibabić, S. (1957)	584006	584007
Martin, W.R. & Y. Jean (1958)			583287	Muncy, R.J. (1957)	583503	583719
Martinson, E.F. (1958)			583276	Munk, W.H. (1958)		583488
Maslov, N. (1958)			583599	Munk, W.H. & R. Haubrich (1958)		583845
Maslov, N. & A. Meyer (1958)			583588	Munz, F.W. (1958)		583669
Mason, D.D. (1957)			583439	Murray, A.T. (1958)		583337
Mason, H.L. (1957)			584167	Murray, M.D. (1958)		583465
Mathewson, R. & al. (1958)			583949	Murray, R.C. (1958)		583283
Mathieson, R.S. (1957)			583859	Myers, B.H. & W.S. Cole (1957)		584072
Mathieu, Y. (1958)			583794	Nadozhin, V.M. (1958)		583802
Matsumoto, J.J. (1958)			583396	Nair, P.V. Ramachandran (1958)		584027
Matznotter, J. (1958)			583798	Nakayama, H. (1958)		583688
Mayer, A.M. & A. Poljakoff-Mayber (1957)			584176	Narasako, Y. (1958)	583686	583690
McAlister, W.H. (1958)			583674	Narasako, Y. & M. Kanamori (1958)		583689
McFarland, W.N. & F.W. Munz (1958)			583669	Nayar, S. Gopalan (1958)		583257
McGuinness, W.T. (1958)			583836	Neavo, F. (1958)		584106
McGuinness, W.T. & W.L. Donn (1958)			583844	Noifakh, A.A. & N.N. Rott (1958)		583410
McHugh, J.L. (1958)			583697	Nelson, P.R. (1958)		583214
McMillan, R. (1957)			583904	Nikitin, V.N. (1958)		583247
McPherson, G. (1958)			583612	Nikitin, V.N. & E.P. Turpaeva (1958)		583815
Moerovitch, E. (1958)			583219	Nikolaev, I. (1958)		583564
Melnikov, G.B. (1958)			583790	Nikolaev, I.I. (1958)		583279
Melnikov, G.B. & I.P. Lubyanov (1958)			583307	Noetzol, B. (1958)		583341
Melouk, M.A. (1957)			583932	Nolto, W. (1958)		583482
Menzies, R.J. (1957)			584065	Nomura, M. (1958)	583405	583406
Moseck, (1958)			583336	Nordström, S.G. (1958)		583559
Meyer, A. (1958)	583586	583587	583588	Northcote, T.G. (1958)		583450
		583592	583593	Nozawa, K. (1958)	583386	583387
Meyer-Waarden, (1958)			583481	Nun, M. (1958)		583289
Meyer-Waarden, P.F. (1958)			583550	Nussor, F. (1958)		583711
Michielsen, K.O.H. (1958)			583351	Nybelin, O. (1958)		583553
Migita, M. & J.J. Matsumoto (1958)			583396	Obregon, F. (1958)		584153
Mihai, M. (1957)			583499	Ogura, M. (1958)	583391	583393
Miholić, S. (1957)			583731	Oliver, J. & M. Ewing (1958)		583846
Miloikovskii, S.A. (1958)			583808	Olkkonen, E. & E. Palosuo (1957)		583756
Millis, L. (1958)			583780	Omardoon, T.A. (1957)		583998
Milne, L.J. & M. Milne (1958)			583212	Onabamiro, S.D. (1957)		583977
Milne, M. (1958)			583212	Onda, M. (1958)		583348
Miloslavskaya, N.M. (1958)			583310	Ondoriková, V. (1958)		583298
				O'Rourke, F.J. & P. Makings (1958)		583447

Osborn, R.C. (1957)	584076	Rădulescu, I. & G. Vasile (1957)	583502
Osterbind, C.C. (1958)	583344	Rae, B.B. (1957)	583773 583774
Osterhoudt, D. (1958)	583427	Rae, B.B. & E. Wilson (1958)	583526
Østvedt, O.J. (1958)	583610		583551
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Ozmidov, R.V. (1958)	583250	Lakshman (1958)	583459
		Randall, J.E. & C. Ray (1958)	583694
Paloheimo, J.L. (1958)	583330	Raney, E.C. (1957)	584094
Pannier, F. (1958)	583662	Rannak, L. (1958)	583624
Panse, V.G. & K.V.R.		Rawson, D.S. (1958)	584105
Sastry (1958)	583485	Ray, C. (1958)	583694
Pantulu, V.R. (1958)	583262	Rechnitzor, A.B. (1958)	583825
Park, H.D. (1958)	583702	Redikson, V.Ia. (1958)	583276
Parker, R.A. (1958)	583426	Reese, W.J. (1957)	584166
Parks, B.H. (1958)	584156	Reid, D.F. (1957)	583945
Parrish, B.B. (1958)	583215	Reid, E.T.M. (1957)	583978
Parrish, B.B. & al. (1958)	583613	Reid, R.O. (1958)	583847
Pastukhova, N.M. (1958)	583560	Reither, R. & R. Seligmann (1957)	583894
Pavlovskaja, R.M. (1958)	583239	Rovello, R.R. (1958)	583486 583848
Pavshits, E.A. (1958)	583519	Rovello, R. & R. Fairbridge (1957)	584044
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Petipa, T.S. (1958)	583249	Roberts, A.C. (1958)	583831
Phillipson, G.N. (1957)	583991	Roberts, E.B. (1958)	583935
Phillipson, J. (1957)	584008	Robertson, O.H. (1957)	584036
Phleger, F.B. (1958)	583852	Robins, C.R. (1957)	584149
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Pillai, V.K. (1958)	584027	Rodhe, W. (1958)	583681
Plaxico, J.S. (1957)	583438	Rollefson, G. (1958)	583581
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Pokrovskaja, G.L. (1958)	583411	Rose, M. (1957)	583444
Pokrovskaja, T.N. (1958)	583788	Rosenthal, H.L. (1957)	583940
Poljakoff-Mayber, A. (1957)	584176	Rothschild, L. & A. Tylor (1958)	583950
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Provasoli, L. (1958)	583671	Potratz (1958)	583213
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Pyefinch, K.A. (1958)	583637	Minkovich (1958)	583269

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Sadowski, S. (1958)	583572	Skopintsov, B.A. & al. (1958)	583408
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Saalon, O.H. (1957)	584136	Slough, M.A. (1957)	583999
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Sahrhago, D. (1958)	583595	Slobodkin, L.B. (1958)	583679
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Samoshima, M. (1958)	583692	Smith, J.B., L.M. Jeffroy & D.W. Hood (1958)	583849
Santos Pinto, J. (1958)	583627 583628	Smith, J.L.B. (1958)	583484
Sarkisian, A.S. (1958)	583227	Smyly, W.J.P. (1957)	583879 584016
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Sastry, K.V.R. (1958)	583485	Southward, A.J. & E.C. Southward (1958)	583454
Satio, K., M. Samoshima & T. Tanaka (1958)	583692	Southward, E.C. (1958)	583454
Saville, A. (1958)	583542	Sparrow, F.K. (1957)	583953
Schoor, B.T. & al. (1957)	584170	Spencer, E.A. & A.T.J. Hayward (1957)	583893
Scheffer, V.B. (1958)	583713	Steenis, J.H. (1957)	583714
Schmidt, K.P. (1957)	584096 584097	Stofan, M. (1957)	583500
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Schmit, W.L. (1957)	583082	Stenzel, H.B. (1957)	584080
Schnittker, J.A. (1958)	583442	Štěpánek, M. & J. Jiří (1958)	583652
Schooley, A.H. (1958)	583776	Stewart, H.B., Jr. (1958)	583850 583851
Schubert, K. (1958)	583614	Stevenson, R.E. (1957)	584059
Schule, J.J., Jr. & W.I. Wittmann (1958)	583777	Stolting, W.H. & A.T. Murray (1958)	583337
Schultz, A.M. (1958)	583251	Stroikovskii, V.I. (1958)	583229
Schultz, V. & R.J. Muncy (1957)	583503	Stroud, R.H. & E.A. Scaman (1957)	584139
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Scottish Home Department (1958)	583340 583343	Suyama, M. (1958)	583406
Scottish Marine Biological Association (1957)	584193	Svoshnikov, V.A. (1958)	583823
Seaman, E.A. (1957)	584139	Swain, A. & W.G. Hartley (1958)	583632
Segerstråle, S.G. (1957)	584060	Swale, E.M.P. (1957)	583899
Sekharan, K.V. (1958)	583256	Swanson, E.R. (1957)	583440
Sekino, Y., J. Takouchi & K. Inoue (1957)	583357	Sysocv, N.N., G.B. Udintsov & I.B. Andreeva (1958)	583415
Selotskaja, A. (1958)	583623	Tait, J.B. (1958)	583528
Semenov, K.I. (1958)	583818	Tait, J.S. (1958)	583221
Senn, H.V. (1958)	583700	Takahashi, T. (1958)	583683 583684
Serène, R. (1957)	583712	Takeuchi, J. (1957)	583357
Shearer, W.M. (1958)	583383	Tampi, P.R.S. (1958)	583261
Shellard, H.C. (1958)	584145	Tanaka, K. (1958)	583388
Shopard, F.P. (1957)	584057	Tanaka, T. (1958)	583692
Shetter, D.S. (1957)	583725	Tāning, A.V. (1958)	583508 583608
Shirai, K. (1958)	583398 583400	Tanizaki, M. & al. (1957)	583734
Shuleikin, V.V. (1958)	583230 583233	Tanoue, T. (1958)	583691
Shuster, C.N., Jr. (1957)	584085	Taylor, C.B. (1958)	583851
Shutova-Korzh, I.V. (1958)	583604	Taylor, F.R. (1957)	584152
Sioli, H. (1957)	583862	Taylor, J.H. (1958)	583458
Sisson, H.A. (1958)	584035	Teal, J.M. (1958)	583420
Skellam, J.G. (1958)	583474		

Templeman, W. (1958)	583284	583286	van Oye, P. (1958)	583651
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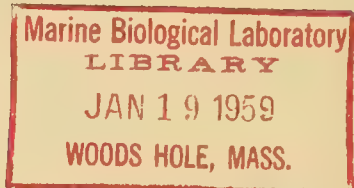
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FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS  
Viale delle Terme di Caracalla, Rome, Italy

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## CURRENT BIBLIOGRAPHY FOR FISHERIES SCIENCE

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Rome, November 1958

containing: supplement 1(9), geographic index 1(8), references and  
author index to, 584195 - 585058

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[2.1(2)]



Errata

By mistake no. 582859 has been indexed twice. Please ignore 583997.

Please correct Errata 1(7) and 1(8) as follows:

582790	table	should read	level
583424	Bimimi	" "	Bimini
583446	<u>Stylopage</u> rhynchospora	" "	<u>Stylopage</u> rhynchospora
583447	pollack	" "	pollock
583464	<u>Povilla</u> adusta	" "	<u>Povilla</u> adusta
583475	cistribution	" "	distribution
583494	<u>Caspialosa</u> pontica	" "	<u>Caspialosa</u> pontica
583500	<u>pholis</u> gunnelus	" "	<u>Pholis</u> gunnelus





Columbia Basin Interagency 581901  
Committee (1957)  
Fish.Steering Committee, Portland, Or.  
Columbia River Basin fishery program

Incl. part I.: Comprehensive research  
program for development of the fishery  
resources, 55 p.; part II.: Inventory  
of streams & proposed improvements  
for development of the fishery  
resources, 100 p.

F

Greenshields, F. & J.L. 584002  
Ridley (1957)  
J.Instn Wat Engrs, 11:300-6  
Some researches on the control of  
mussels in water pipes

Small-scale experiments were carried  
out over a period of 3 years by the  
Metropolitan Water Board to determine  
the most effective dose of chlorine  
for clearing infestations of  
Dreissensia polymorpha in water mains.

:wad

F

Whitehead, R.C. (1957) 583915  
J.Instn Wat.Engrs, 11:289-99  
Shustoke and Bartley reservoirs:  
biology

Studies of algae & control with  
copper sulfate, incl. toxicity to  
trout.

:wad

F

Ives, K.J. (1957) 583910  
Wat. & Wat.Engng, 61:293-6  
Algae and water supplies. I. The  
freshwater algae

Describes briefly the classes of algae  
which have been observed in fresh-water  
supplies.

:wad

F

Anonymous (1957)  
Chem. Engng News, 35:90  
Outwitting the marine borer

582033

Daisley, K.W. (1957)  
Nature, Lond., 180:1042-3  
Vitamin B<sub>12</sub> in marine ecology

580935

The marine borers Teredo navalis, common to the coastal waters of the U.S. & Bankia setacea, common to the Pacific coast of the U.S. & Canada, can be destroyed by spraying sodium arsenite on log rafts before their sea voyage. Characteristics of marine borer's life cycle given, treatment of logs indicated.

Comments on 580934.

shb

M

GLK:tl

M

Bidwell, K.W.E. & L.D. Foreman (1957)  
Nature, Lond., 180:1195-6  
Distribution of strontium-90 in pond weed and fish

580951

Describes its accumulation in Myriophyllum & Scardinius as determined by radioassays & microautoradiography following its introduction into a pond.

GLK:wad

F

Droop, M.R. (1957)  
Nature, Lond., 180:1041-2  
Vitamin B<sub>12</sub> in marine ecology

580934

It has been possible to determine the magnitude of the requirement of vitamin B<sub>12</sub> in one marine organism, Monochrysis lutheri, & then, assuming algae requiring vitamin B<sub>12</sub> to be alike in this respect, to apply the result to data on marine populations & to assays of sea water for vitamin B<sub>12</sub>.

GLK:tl

M

FAO/58/12/8947

About seventy scientists from Australia, France, Great Britain, New Zealand, South Africa, the United States and the U.S.S.R. were able to attend the meetings held in Wellington during February 18-22.

Business meetings of two types were arranged: the general meeting, at which informal papers would be presented, and the discussion meeting, mainly confined to the round-table conference of specialists. A considerable number of visiting and New Zealand scientists attended the latter meetings to listen to the discussions. Each meeting was presided over by a worker in the subject, and because of the informal nature of the symposium no attempt will be made to present the full proceedings.

The chair for the session on "Oceanography" was taken by R.M. Cassie (New Zealand). The presence of the Soviet research ship OB in Wellington during the symposium ensured a strong representation of Russian marine scientists. An account of the first two Antarctic cruises of OB (1956 & 1957) was given by Prof. V. Kort. During these two cruises 329 oceanographic and 225 geological stations were occupied, mainly in the Indian sector of Antarctica. About 150 cores 2.0-5.5 m long have been taken by a gravitator tube, and five cores of 16 m have been taken by a piston corer. The present cruise is charged with similar investigations in the Pacific sector of Antarctic waters. From continuous echo soundings and cores, Dr. A.V. Jivago (U.S.S.R.) was able to discuss the types of bottom relief in the southern Indian Ocean and east Antarctic seas. Extremely complicated volcanic relief covers approximately two-thirds of the area explored. Besides the known volcanic chains extending from the Atlantic Ocean across the Crose plateau to the Kerguelon-Gauss range, big sub-surface volcanoes have been discovered to the west of Heard Island and north-west of the Prince Edward Islands. Their relative heights reach 3,000 m. Vast areas consist of lava plains with stopping, hilly and block surfaces. The Antarctic Shelf, which represents the most complicated type of relief was investigated in more detail. Its boundary is considerably deeper than other continents (500 m or more), the surface is often rough and in some places devoid of covering sediment. Several morphological sub-types have been distinguished within the Shelf limits.

According to Dr. A.P. Andriashev (U.S.S.R.), who described the ichthyological investigations of OB, 1,100 specimens representing 75 species and 16 families have been caught. In the shallow water of the eastern Antarctic continent, trematons and Gymnodraco acuticeps are the most abundant species, and some of these, especially T. bernacchi, may have some fishing importance to wintering-over parties. New types of chaenichthyid and harpagiferid fishes were found among fishes caught by trawls at depths between 100 and 3,000 m. Eight more species of the white-blooded chaenichthyidae were added to the five already known. Qualitative investigations of the bottom and plankton invertebrates have shown the extremely low productivity of food forms (for fishes) of the bottom fauna, in comparison with the rich development of the pelagic crustaceans, substantiating Nybolin's hypothesis concerning the cause of partial transition of many bottom notothenioid fishes to pelagic feeding habits. The factors governing the character of bottom fauna of the shelf are the great depth of the

boundary, complicated relief, extremely poor sorting of bottom sediments, and strong bottom currents which carry the subsiding detritus away to the ocean. Consequently, an extremely rich and varied fauna of sponges, coelenterates, bryozoans, brachiopods, ascidians and an impoverished fauna of crustaceans and molluscs are characteristic of the Shelf. One of the main differences between the Shelf faunas of Antarctica and that of other areas is that the polymixtous nature of the former makes it very difficult to ascertain the leading species.

Dr. R.W. Burling (New Zealand) exhibited a vertical section of isotherms south of New Zealand, in which tongues of cold water are present in positions suggesting the existence of a large horizontal eddy. Such eddies would have a great influence on mixing between various water masses in their predominantly eastward flow. The theoretical model of the Antarctic circumpolar current propounded by Hidaka and Tsuchiya, in fact, requires an occurrence of such eddies.

The chair for the meeting devoted to "Biology" was taken by Dr. R.A. Falla (New Zealand).

Dr. K.A. Brodsky (U.S.S.R.) has examined the mass development of phytoplankton in the cold waters near the continent, and along sections on the  $90^{\circ}$  E and  $78^{\circ}$  E meridians, with the northern boundary near  $63^{\circ}$  S. Zooplankton was poor in waters rich with phytoplankton, but increased to the north. The biomass in the northern regions did not exceed  $0.75 \text{ gm/m}^3$ , whereas in the phytoplankton zone there was not less than  $1 \text{ gm/m}^3$ , sometimes reaching more than  $7 \text{ gm/m}^3$ . In Antarctic waters the cold intermediate layer is not impoverished, but is somewhat richer in plankton than the superficial one. Brodsky considers that the term 'Sub-Antarctic', like 'Sub-Arctic', should be discarded for biogeographical purposes. He prefers a subdivision into 'Antarctic' (northern boundary between  $60^{\circ}$  S and  $52^{\circ}$  S for different areas), 'Notal' (northern boundary between  $50^{\circ}$  S and  $40^{\circ}$  S) and 'Tropical'. Brodsky proposes using the composition and distribution of the Gelanoid to compare the biogeographical regions of both hemispheres. Data on bird-banding, seal-banding and other studies were exchanged, and Iowe reported the discovery of 81 carcasses of crab-eater seals at altitudes of 1,000-2,000 ft in the foothills of the Prince Albert Mountains.

The closing session was devoted to "Future Research in the Antarctic", with Dr. G. de Q. Robin (Great Britain) in the chair. Seven speakers discussed future work in their respective fields.

Prof. V.G. Kort summarized comprehensively the needs of oceanographic research over the next ten years. In particular, he pleaded for much more concentrated work in zones of convergence and divergence, and in coastal waters an extension of hydrological work at coastal stations, where remarkably few oceanographic studies are done, and comprehensive studies of the pack ice by monthly flights from coastal bases. Actinometric studies have been successfully carried out this season on OB and offer considerable scope in the future. Dr. R.A. Falla considered that biological studies in the Antarctic had benefited during the International Geophysical Year although they were not planned explicitly, except in the case of the larger vertebrates, where banding and branding studies had been successfully carried out. Amateur observers could do valuable preliminary studies in biological fields, which could be examined to see where professional studies were required.

Intensification of taxonomic, ecological and physiological studies was required. Biological research suffers from inadequate national and international organization, and this must be remedied before Antarctic biological research can achieve the same effectiveness as that in the physical sciences. Falla ended with a plea for the greater participation by mature scientists in expeditions, thus emphasizing a weakness in most British Antarctic teams, which rely unduly on the efforts of young graduates.

#### International Geophysical Year: Meeting in Moscow

The fifth meeting of the Special Committee (C.S.A.G.I.) of the International Geophysical Year has been held during July 29-August 9 in the Moscow State University. The meeting has reviewed the achievements of the International Geophysical Year since its commencement on July 1, 1957, and also the scheme now in operation for the deposition and exchange of results between the three data centres set up for each of the International Geophysical Year disciplines.

A meeting of the Special Committee for Antarctic Research set up by the International Council of Scientific Unions is to consider research programmes in the Antarctic region after the closing of the International Geophysical Year programme on December 31, 1958.



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		583595	583596			583392	583684
		583601	583609			583853	583857
		583615	583695			584186	584187
		583707	583710	IN.01	Japan Sea	583415	583435
		583763	584115	IN.02	Sea of Okhotsk		584129
		584118		IN.03	Bering Sea	583372	583373
ANE.05	Baltic Sea	583278	583279	IS	<u>Tropical Indopacific</u>		583812
		583280	583339	ISW	Indian Ocean	583484	583821
		583341	583554			583844	584181
		583555	583556			584182	
		583557	583558	ISW.01	Red Sea	583708	583925
		583559	583560			583926	583927
		583561	583562			583928	583929
		583563	583564	ISW.06	Bay of Bengal		584142
		583565	583566	ISEW	Indopacific, Central	583231	583735
		583567	583568			583856	584183
		583569	583570			584185	
		583571	583572	ISE	Pacific, South-east		583848
		583573	583574			583870	
		583575	583576	ISE.02	Gulf of Panama		584149
		583589	583591	P	POLAR SEAS		583868
		583618	583619	PN	<u>Arctic Ocean</u>	583285	583711
		583620	583621			583777	583778
		583622	583623	PS	Southern Ocean	583226	583243
		583624	583630			583644	
		583631	583757	PSE.02	Tasman Sea		583467
		583758	583763	L	INLAND SEAS AND INTERTERRITORIAL LAKE SYSTEMS		
		583786	584060	L.11	East African Lakes	583464	583656
		584116	584134	L.71	L. Ladoga and Onega		583813
ANE.06	Gulf of Bothnia		583919	L.72	Caspian Sea	583275	583817
ANE.07	Gulf of Finland		583759			583820	584062
ANE.08	English Channel		584124				
ANE.09	Irish Sea	583317	583319				
		583320					
ANE.10	Norwegian Sea	583511	583519				
		583607					
AS	<u>Atlantic, South</u>	583487	583577				
ASW	Atlantic, South-west		583337				
ASE	Atlantic, South-east		583578				
		583579	583580				
		583626	583627				
		584133					

L.73	Aral Sea	583786	584062
L.74	L. Balkhash		583786
L.75	L. Baikal		583238

Demerec, M. & al. (1957) 584195  
Cold Spr. Harb. Symp. quant. Biol., 22:437p.  
Population studies: animal ecology  
and demography

This volume contains papers indexed  
584196, 584197 & 584198.

FAO:glk

MF

Neyman, J. & B.L. Scott (1957) 584198  
Cold Spr. Harb. Symp. quant. Biol., 22:109-20  
Population studies: animal ecology and  
demography - On a mathematical theory  
of populations conceived as  
conglomerations of clusters

Stochastic models postulating change in  
1) distribution over the habitat plane  
of points where the litters of one  
generation are born; 2) variation from  
one litter to another of the number of  
litter members; 3) dispersal; 4)  
survival of members of litters up to a  
preassigned moment of time.

FAO:glk

MF

Cole, LaMont C. (1957) 584196  
Cold Spr. Harb. Symp. quant. Biol., 22:1-15  
Population studies: animal ecology and  
demography - Sketches of general and  
comparative demography

Discussion of the terminology of  
demography; historical sketch of demo-  
graphic thought & research, discussion  
of some major questions: comparative  
life histories, population regulation,  
fluctuations, age structure.

FAO:glk

MF

Poulsen, E.M. (1958) 584199  
International Commission for the North-  
west Atlantic Fisheries, Halifax, N.S.,  
4 p.  
Newsletter No. 29

Deals chiefly with the proceedings of  
the Commission's 8th Annual Meeting,  
giving certain of the main decisions.  
Also news of research & fishery  
activity in the Convention area.

FiB:glk

M

Hajnal, J. (1957) 584197  
Cold Spr. Harb. Symp. quant. Biol., 22:97-103  
Population studies: animal ecology and  
demography - Mathematical models in  
demography

Description of the uses of mathematics  
in demography contrasting analytical  
models whose inspiration comes from  
contemplating the example of physics -  
Demography here refers strictly to  
human populations.

FAO:glk

MF

Stander, G.H. (1958) 584200  
Invest. Rep. Div. Fish. S. Afr., (35):40 p.  
The pilchard of South Africa and of  
South West Africa (Sardinops ocellata) -  
The variations of temperature in the  
surface layer of the sea near Walvis Bay  
during 1954-57 with an analysis of some  
wind data from Pelican point

Variations in surface temperature,  
temperature at 20 m., & the mean  
temperature of the 0-50 m. layer are  
discussed on a monthly & on a seasonal  
basis. Analysis is made of wind data of  
a 3 year period.

FAO:hr

M

Tricart, J. (1957) 584201  
Bull.Inst.franç.Afr.noire, 19:1-20  
 Aspects et problèmes géomorphologiques  
 du littoral occidental de la Côte  
 d'Ivoire (Geomorphologic aspects &  
 problems of the western littoral of the  
 Ivory Coast)

Describes characteristic features of the  
 littoral based on aerial photographic  
 surveys.

FAO:hr

M

Cadenat, J. (1957) 584204  
Bull.Inst.franç.Afr.noire, 19:126-33  
Lysiosquilla aulacorhynchus, espèce  
 nouvelle de stomatopode de la Côte  
 occidentale d'Afrique (Lysiosquilla  
aulacorhynchus, new species of stoma-  
 topod of the west coast of Africa)

Describes the sp. & gives a key for the  
 related spp. of the Atlantic.

FAO:hr

M

Fauvel, P. & F. Rullier (1957) 584202  
Bull.Inst.franç.Afr.noire, 19:24-96  
 Nouvelle contribution à la faune des  
 annélides polychètes du Sénégal (1<sup>ère</sup> Pt.)  
 (New contribution to the fauna of  
 annelid polychaets of the Senegal. Pt. 1)

A catalogue of spp. with records of  
 localities & depths of capture &  
 general geographic distribution. Thirty  
 spp. not previously recorded to the area  
 are also listed.

FAO:hr

M

Lindberg, K. (1957) 584205  
Bull.Inst.franç.Afr.noire, 19:134-79  
 Cyclopides (Crustacés copépodes) de la  
 Côte d'Ivoire (Cyclopids - crusta-  
 ceans copopods - of the Ivory Coast)

A study of 24 samples from different  
 biotops containing 19 spp. & sub-spp.  
 of which 8 are recorded for the first  
 time for the area & 3 are new.  
 Information is given for certain spp. as  
 well as keys for the determination of  
 the genera Halicyclops, Lucyclops, Ecta-  
cyclops, Microcyclops & Cryptocyclops.

FAO:hr

M

Binder, E. (1957) 584203  
Bull.Inst.franç.Afr.noire, 19:97-125  
 Mollusques aquatiques de Côte d'Ivoire.  
 I. Gastéropodes (Aquatic molluscs of  
 the Ivory Coast. I. Gastropods)

A descriptive catalogue of fresh &  
 brackish water spp. of the families:  
 Neritidae, Ampullariidae, Hydrobiidae,  
 Melaniidae, Polamididae, Lymnaeidae,  
 Planorbidae & Ancyliidae.

FAO:hr

MF

Humes, A.G. (1957) 584206  
Bull.Inst.franç.Afr.noire, 19:180-94  
 The genus Cancrincola (Copepoda,  
 Harpacticoida) on the west coast of  
 Africa

Describes males & females of the new  
 spp. Cancrincola jamaicensis, C. longi-  
seta & C. abbreviata parasites of the  
 gill chambers of crabs. 179 crab hosts  
 representing 5 spp., which are listed,  
 where examined between Dakar & Pointe-  
 Noire.

FAO:hr

M

Cadenat, J. (1957) 584207  
Bull.Inst.franç.Afr.noire, 19:274-94  
 Notes d'ichtyologie ouest-africaine.  
 XVII. Biologie. Régime alimentaire  
 (West African ichthyological notes. XVII.  
 Biology. Feeding)

Lists quantitatively the stomach  
 contents of 47 spp. of sharks & rays  
 mainly of the coast of the Senegal of  
 the families: Carchariidae, Orectolobidae,  
 Scylliorhinidae, Mustelidae, Carchari-  
 nidae, Sphyrnidae, Spinacidae, Squati-  
 nidae, Pristidae, Rhinobatidae, Rhyncho-  
 batidae, Torpedinidae, Rajiidae, Dasya-  
 tidae, Myliobatidae, Rhinopteridae &  
 Mobulidae.

FAO:hr M

Daget, J. & F.d'Aubenton (1957) 584210  
Bull.Inst.franç.Afr.noire, 19:881-935  
 Développement et morphologie du crâne  
 d'Heterotis niloticus Ehr.  
 (Development & morphology of the  
 cranium of Heterotis niloticus Ehr.)  
 A study of the neurocranium, splanchno-  
 cranium & dermic bones.

FAO:hr F

Daget, J. (1957) 584208  
Bull.Inst.franç.Afr.noire, 19:295-323  
 Mémoires sur la biologie des poissons du  
 Niger moyen. III. Réproduction et  
 croissance d'Heterotis niloticus Ehren-  
 berg (Report on the biology of the  
 fishes of the Middle Niger. III. Re-  
 production & growth of Heterotis niloti-  
cus Ehrenberg)

A study of the migrations of the sp. in  
 the central delta, reproduction period,  
 nesting, behaviour after spawning,  
 development of fry, growth during 1st &  
 subsequent years.

FAO:hr F

Guibé, J. & M. Lamotte (1957) 584211  
Bull.Inst.franç.Afr.noire, 19:937-1003  
 Révision systématique des Ptychadena  
 (Batraciens Anoures Ranidés) d'Afrique  
 occidentale (Systematic revision of  
Ptychadena - Batrachian, Anura, Ranid -  
 of West Africa)

A critical revision with description of  
Rana - Ptychadena - trinodis, pumilio,  
aequiplicata, maccarthyensis, retro-  
punctata, tournieri, oxyrhynchus, longi-  
rostris, superciliaris, mascareniensis,  
submascareniensis & bibroni, followed  
 by a synopsis of the species.

FAO:hr F

Cadenat, J. & F. Paraiso (1957) 584209  
Bull.Inst.franç.Afr.noire, 19:324-32  
 Nouvelle observation de Sotalia (Cétacé,  
 Delphinidé) sur les côtes du Sénégal  
 New observations of Sotalia (Cetacean,  
 Delphinid) on the coast of Senegal)

Notes on feeding habits & morphological  
 characteristics, morphometric & meristic  
 of Sotalia teuszii.

FAO:hr M

Dekeyser, P.L. (1957) 584212  
Bull.Inst.franç.Afr.noire, 19:1004-19  
 Morphologie et biologie des oiseaux de  
 l'ouest africain (Notes documentaires).  
 III. Pétrels et puffins (Morphology  
 & biology of the birds of West Africa -  
 Documentary notes - III. Petrels &  
 Puffins)

Notes on general characters, morphology,  
 biogeography, paleontology, evolution,  
 biology, pathology & parasitology of  
 spp. of petrels & puffins, order  
 Procellariiforms.

FAO:hr M

Smith, F.G. Walton. (1957) 584213  
Sea Frontiers, 3:196-209  
Tracking the elusive tuna

Notes on the tuna migrations, their  
determination, & research on them.

FAO:glk

M

Cohen, S.B. (1957) 584216  
Sea Frontiers, 3:225-37  
Israel's salt water fisheries

Notes on fishing grounds, methods,  
ports, & future prospects.

FAO:glk

M

Thompson, P.E. (1957) 584214  
Sea Frontiers, 3:210-6  
Coast waters in danger

Notes on ecological changes produced  
by engineering work in & near littoral  
waters.

FAO:glk

MF

Browand, F. (1957) 584217  
Sea Frontiers, 3:239-50  
Coral reef battleground

Popular account of the structure & life  
of coral reefs & of the theories  
concerning their origin.

FAO:glk

M

Conover, R.J. (1957) 584215  
Sea Frontiers, 3:217-23  
The Narragansett Marine Laboratory

Account of the laboratory, its history,  
vessels & programme.

FAO:glk

M

Anonymous (1957) 584218  
Sea Frontiers, 3:251  
Fish worse than snakes

Report of mortalities caused by  
Synanceja verrucosa.

FAO:glk

M

Anonymous (1958) 584219  
J.Inst.Biol., 5:75-6  
Midland branch symposium on ecology

Brief note on a symposium which included papers on "Production Ecology" by W.H. Pearsall, & novel methods in the measurement of the production of freshwater fish by E.D. Le Cren.

GLK:glk F

Newton, L. (1958) 584222  
Sea Frontiers, 4:153-8  
Algin, gift of seaweed

Popular account of commercial uses of seaweeds, with notes on their ecology & research on them.

FAO:glk M

Anonymous (1958) 584220  
Sea Frontiers, 4:130-5  
Of space and the sea

Popular article on importance of oceanographic research & of recent developments in promotion of it.

FAO:glk M

Roman, E. (1958) 584223  
Sea Frontiers, 4:164-70  
Tournaments can aid science

Popular article on the research that can be carried out on fish caught during deep-sea game fishing.

FAO:glk M

Randall, J.E. & A.W. 584221  
Moffett (1958)  
Sea Frontiers, 4:136-46  
The tarpon has many secrets

Popular account of research on Megalops atlantica.

FAO:glk MF

Elliot, G.H. (1958) 584224  
Sea Frontiers, 4:171-81  
Politics and the Antarctic whale

Popular account of whaling operations & of the problems of their international control.

FAO:glk M

<p>Moore, H.B. (1958) 584225  <u>Sea Frontiers</u>, 4:183-7  Footnotes of a plankton chaser</p> <p>Popular article on plankton research.</p> <p>FAO:glk M</p>	<p>Budde, M.L. (1958) 584228  <u>Growth</u>, 22:73-92  The effects of parathyroid extract upon the teleost fish, <u>Lebistes reticulatus</u></p> <p>Fish of the sp., <u>Lebistes reticulatus</u>, was injected with parathyroid extract dosages of 0.5 unit &amp; 1.0 unit given at 3-day intervals for various periods of time. Bone changes were studied &amp; differences in response were correlated with the length of treatment.</p> <p>FAO:glk F</p>
<p>College of the Pacific (1958) 584226  <u>Bull.Coll.Pacif.</u>, 45(2)Pt.1:13 p.  Pacific Marine Station</p> <p>Prospectus of the station - faculty, history, description of the area &amp; the fauna, facilities, fellowships &amp; assistantships, courses available.</p> <p>WAD:glk M</p>	<p>McCashland, B.W. &amp; W.R. 584229  Marsh (1958)  <u>Growth</u>, 22:99-107  Cyanide adaptation in <u>Chilomonas paramocium</u> as related to the type of available nutrient</p> <p>Study of adaptation, resistance &amp; respiration of <u>Chilomonas paramocium</u> of a clone culture, cultured in ammonium-acetate medium &amp; in medium with reduced ammonium acetate, &amp; added <u>Protose Peptone</u> &amp; glucose.</p> <p>FAO:glk M</p>
<p>Love, R.M. (1958) 584227  <u>J.Sci.Fd Agric.</u>, 9:617-20  Studies on the North Sea cod. III.  Effects of starvation</p> <p>Six cod were starved for 78 days in an aquarium at about 14°, &amp; the effect on various constituents of the body were investigated.</p> <p>FAO:glk M</p>	<p>U.K. Ministry of Agriculture, 584230  Fisheries &amp; Food (1957)  <u>Fish.Lab.Lowestoft</u>, (mimeo), 39 p.  Ultrasonic reflection loss of fish - Shoal and characteristics of the reflected wave</p> <p>English translation of original article by Hashimoto, T. &amp; Y. Maniwa, 1955, <u>Toch.Rep.Fish.Boat</u>, March 1955:113-39.</p> <p>Fib: M</p>

U.K. Ministry of Agriculture 584231  
 Fisheries & Food (1957)  
Fish.Lab., Lowestoft, (mimeo), 6 p.  
 Study of reflection loss of ultrasonic  
 millimetre wave on fish body

English translation of original article  
 by Hashimoto, T. & Y. Maniwa, 1956,  
Tech.Rep.Fish.Boat, (8):113-8.

FiB:

MF

Weis, D.S. & H. Mukerjee (1958) 584234  
Plant Physiol., 33Suppl.:viii  
 Microorganisms - Algal fermentations

The ability of several spp. of  
 Chlorella to carry out fermentations  
 under anacrobic conditions in the dark  
 was investigated as part of a search  
 for photoreductive activity in these  
 same spp. Abstr. of paper presented at  
 the Meeting of the American Society of  
 Plant Physiologists & the Physiological  
 Section Botanical Society of America,  
 Indiana Univ., Bloomington, Indiana,  
 August 14-28, 1958.

FAO:glk

F

U.K. Ministry of Agriculture 584232  
 Fisheries & Food (1957)  
Fish.Lab., Lowestoft, (mimeo), 8 p.  
 Study of reflection loss of ultrasonic  
 millimetre wave on fish-body (2)

English translation of original article  
 by Hashimoto, T. & Y. Maniwa, 1956,  
Tech.Rep.Fish.Boat, (9):166-73.

FiB:

M

Fellig, J. & M.K. Bach (1958) 584235  
Plant Physiol., 33Suppl.:viii  
 Microorganisms - The stimulation of  
 respiration of Chlorella vulgaris by  
 hormonal concentrations of purines and  
 purine analogues

Abstr. of paper presented at the  
 Meeting of the American Society of  
 Plant Physiologists & the Physiological  
 Section Botanical Society of America,  
 Indiana Univ., Bloomington, Indiana,  
 August 24-28, 1958.

FAO:glk

F

Dietz, R.S. (1958) 584233  
New Scient., 4:946-9  
 The channels on the deep-sea floor

Characteristics & formation of these  
 channels with special reference to  
 formation of levees.

FAO:glk

M

Smillie, R.M. & G. Krotkov (1958) 584236  
Plant Physiol., 33Suppl.:ix  
 Microorganisms - Phosphorus content of  
Euglena gracilis in relation to  
 plastid development

Euglena gracilis was cultivated 1) in  
 white light with carbon dioxide plus  
 inorganic media, 2) in white light in  
 organic media, 3) in the dark in  
 organic media & 4) in light in organic  
 media after pretreatment with sufficient  
 streptomycin to inhibit new plastid  
 formation during subsequent growth.  
 Abstr. of paper presented at the  
 Meeting of the American Society of

584236  
(Card 2)

Plant Physiologists & the Physiological  
Section Botanical Society of America,  
Indiana Univ., Bloomington, Indiana,  
August 24-28, 1958.

FAO:glk

F

Benson, A.A. & R. Wiser (1958) 584240  
Plant Physiol., 33Suppl.,:xvii  
Photosynthesis I - The sulfolipid of  
chloroplasts

Chlorella & the photosynthetic tissues  
& organisms examined contain a sulfo-  
lipid in concentrations approaching  
those of the phosphatides. Abstr. of  
paper presented at the Meeting of the  
American Society of Plant Physiologists  
& the Physiological Section Botanical  
Society of America, Indiana Univ.,  
Bloomington, Indiana, August 24-28,  
1958.

FAO:glk

F

Hommersand, M.H. (1958) 584238  
Plant Physiol., 33Suppl.,:ix  
Microorganisms - The role of cysteine  
and methionine in the germination of  
the zygospore of Chlamydomonas reinhardi

Abstr. of paper presented at the  
Meeting of the American Society of  
Plant Physiologists & the Physiological  
Section Botanical Society of America,  
Indiana Univ., Bloomington, Indiana,  
August 24-28, 1958.

FAO:glk

F

Hillman, W.S. (1958) 584241  
Plant Physiol., 33Suppl.,:xxii  
Photobiology - Photoperiodic and non-  
photoperiodic control of flowering in  
Lemna perpusilla

Measurement of day length at which  
maximum flowering occurs & the effect  
of medium on this. Abstr. of paper  
presented at the Meeting of the  
American Society of Plant Physiologists  
& the Physiological Section Botanical  
Society of America, Indiana Univ.,  
Bloomington, Indiana, August 24-28,  
1958.

FAO:glk

F

Thompson, J.F. & G.S. 584239  
Reisner (1958)  
Plant Physiol., 33Suppl.,:xi  
Nitrogen metabolism - Metabolism of  
nitrate and ammonia by Chlorella

Nitrogen deficient Chlorella were given  
either ammonia or nitrate under auto-  
trophic or mixotrophic conditions. The  
non-protein amino acids were measured  
at various times after the addition of  
of nitrate or ammonia. Abstr. of paper  
presented at the Meeting of the American  
Society of Plant Physiologists & the  
Physiological Section Botanical Society  
of America, Indiana Univ., Bloomington,  
Indiana, August 24-28, 1958.

FAO:glk

F

Brown, T.E. & D.M. Wilson (1958) 584242  
Plant Physiol., 33Suppl.,:xxvi  
Photosynthesis II - C<sub>14</sub>O<sub>2</sub> fixation in  
normal and Mn-deficient Chlorella  
pyrenoidosa

Investigation to determine what alter-  
ations, if any, in the path of carbon &  
the metabolic products formed are caused  
by a deficiency of manganese. Autoradio-  
graphs were prepared following chromo-  
tography of 80% alcohol soluble & in-  
soluble fractions from exposure to  
C<sub>14</sub>O<sub>2</sub>. Abstr. of paper presented at the  
Meeting of the American Society of Plant  
Physiologists & the Physiological Section  
Botanical Society of America, Indiana

584242  
(Card 2)  
Univ., Bloomington, Indiana, August  
24-28, 1958.

FAO:glk

F

Withnor, C. & H. Rubin (1958) 584246  
Plant Physiol., 33Suppl.,:xxxiii  
Growth and development - Effect of  
iodonated compounds and animal hormones  
on the growth of Lemna minor

A series of organic iodine compounds,  
di- & triiodothyronine, mono- & diiodo-  
tyrosine & thyroxine, were added in a  
range of 1-10 ppm to duckweed cultures  
on Mickoll medium. Cultures were grown  
3 weeks to a month. Abstr. of paper  
presented at the Meeting of the  
American Society of Plant Physiologists  
& the Physiological Section Botanical  
Society of America, Indiana Univ.,

Spikes, J.D., B.C. Mayne & 584244  
R.W. van Norman (1958)  
Plant Physiol., 33Suppl.,:xxvii  
Photosynthesis II - Gamma radiation  
effects on Chlorella metabolism

The effects of gamma radiation from  
cobalt-60 on a number of metabolic &  
chemical properties of Chlorella have  
been examined. Abstr. of paper presented  
at the Meeting of the American Society of  
Plant Physiologists & the Physiological  
Section Botanical Society of America,  
Indiana Univ., Bloomington, Indiana,  
August 24-28, 1958.

FAO:glk

F

584246  
(Card 2)  
Bloomington, Indiana, August 24-28,  
1958.

FAO:glk

F

Shrift, A. (1958) 584245  
Plant Physiol., 33Suppl.,:xxix  
Biochemistry I - Sulfur and nitrogen  
changes associated with growth uncoupled  
from cell division in Chlorella vulgaris

Studies to determine the influence of  
selenomethionine, during uncoupled  
growth, on nitrogen metabolism & on the  
metabolism of labeled sulfate, the  
starting point for methionine biosynthesis.  
Abstr. of paper presented at the Meeting  
of the American Society of Plant  
Physiologists & the Physiological Section  
Botanical Society of America, Indiana  
Univ., Bloomington, Indiana, August 24-28,  
1958.

FAO:glk

F

Schindler, O. (1957) 584248  
Jb.Ver.Schutze Alpenpfl.Tiere, München,  
1957:98-104  
Die Fische unserer Hochgebirgsseen  
(Fishes of our high mountain lakes)

Description of the life habits - feeding,  
spawning etc. - of Gottus gobio,  
Phoxinus phoxinus, Salvelinus alpinus,  
Salmo trutta & Nemachilus barbatulus.

GLK:tl

F

Chen, P.S. (1958) 584249  
Experientia, 14:369-71.

Further studies on free amino-acids and peptides in eggs and embryos of different sea-urchin species and hybrids. Do

Investigation of free ninhydrin-positive substances in eggs & embryos of Genocidaris maculata, Psammechinus microtuberculatus & Echinocardium cordatum, in continuation of a study of species - specific differences in the patterns of free amino acids & peptides.

FAO:glk

M

Fontaine, Y.A. (1958) 584252  
C.R.Acad.Sci., Paris, 247:1137-40

Sur la spécificité zoologique de substances hypophysaires thyroïdiques. Activité comparée d'hypophyses de mammifères sur la souris et sur la truite à 20°C (On the zoological specificity of thyrotropic hypophysical substances. Comparison of the activity of mammalia hypophysis on a mouse & on trout at 20°C)

Report on experimental results & discussion of the interpretation to be made of these facts.

FAO:glk

F

Anonymous (1958) 584250  
Trade News, 10(11):3-6, 10  
International Conference on the Law of the Sea

Reports participation of Canada in International Conference at Geneva, February/April 1958, & prints text of the Convention on Fishing & Conservation of the Living Resources of the High Seas.

WAD:glk

M

Union Géodésique et Géophysique 584253  
Internationale (1958)  
Paris, 193-260  
Chronique de l'U.G.G.I. no. 15  
(I.U.G.G. Chronicle)

An account of the activities of the service provided by the Mean Sea Level Committee & the Tidal Institute - This is part of a general account of the pattern of permanent services in astronomy & geophysics.

GLK:glk

M

Clark, (1958) 584251  
Trade News, 10(11):7-8, 10  
Accomplishments of I.N.P.F.C.

Statement of activities of the Commission, nature of its problems, contributions made by its work to management of North Pacific Fisheries.

WAD:glk

M

Farris, D.A. (1958) 584254  
Spec.sci.Rep.U.S.Fish Wildl.Serv., (263): 44 p.  
Jack mackerel eggs, Pacific coast, 1951-54

Reports results of quantitative sampling of Trachurus symmetricus eggs off California & Baja California during 1951 through 1954 & incl. annual distribution charts.

FAO:efa

M

Gaskell, T.F. (1958)  
New Scient., 4:198-201  
Wandering continents

584255

A general review article which incl.  
comment on topography, morphology &  
evolution of oceans.

FAO:sjh

M

Moretti, G. (1958)  
G.Pesca, 8(17):5

584258

Composizione chimica delle correnti  
(Chemical composition of currents)

Characteristics of fishes inhabiting  
running waters & of the theophilic  
biocoenosis, with tabulation of  
behaviour of various spp. in water  
flowing at various velocities.

GLK:glk

F

Anonymous (1958)  
New Scient., 4:210  
Shock evaporation

584256

A note on the flash method of  
converting sea water into fresh water.

FAO:sjh

MF

Moretti, G. (1958)  
G.Pesca, 8(20):4

584259

Idrobiologia piscicola. 4. Le acque  
correnti pollute (Fish cultural  
hydrobiology. 4. Polluted running  
waters)

Discussion of the characteristics of  
polluted running waters.

GLK:glk

F

Anonymous (1958)  
New Scient., 4:245  
Improved techniques for fishermen

584257

A note, in connection with discussions  
on territorial limits, on the use the  
British fishing industry might make of  
the theory of fishing, factory trawlers,  
electrical fishing & the results of the  
second World Fishing Boat Congress.

FAO:sjh

M

Moretti, G. (1958)  
G.Pesca, 8(18):5

584260

Idrobiologia piscicola delle acque  
interne. 2 (Fish cultural hydro-  
biology of inland waters. 2)

Continuation of 584258.

GLK:glk

F

<p>Schumacher, R.L. (1958) 584261  <u>Progr.Fish-Cult.</u>, 20:51-7  Experimental feeding of a pelleted trout food to large fingerling and yearling brook, brown, and rainbow trout, 1955-56</p> <p>Compares in terms of growth rate, blood characteristics, condition factor, liver condition, mortality, costs, a pellet diet with the standard meal-&amp;-spleen diet.</p> <p>WAD:glk F</p>	<p>Anonymous (1958) 584264  <u>Progr.Fish-Cult.</u>, 20:61  Study of tag loss and effects of jaw tags on brook trout</p> <p>Summary statement of results of a 3-year study.</p> <p>WAD:glk F</p>
<p>Anonymous (1958) 584262  <u>Progr.Fish-Cult.</u>, 20:57  Light as a factor in accelerating the spawning of blueback salmon</p> <p>Summary of results of a 3-year study on the effects of light on sexual maturation.</p> <p>WAD:glk F</p>	<p>Grassl, B.F. (1958) 584265  <u>Progr.Fish-Cult.</u>, 20:62-5  Relation of a dry pelleted ration to nutritional anomia in brook and rainbow trout</p> <p>Tabulation of variations in red blood cell counts, in fish given different diets.</p> <p>WAD:glk F</p>
<p>Phillips, A.M., Jr. &amp; D.R. 584263  Brockway (1958)  <u>Progr.Fish-Cult.</u>, 20:58-61  The inorganic composition of brown trout blood</p> <p>Tabulation of results compared with blood of Carp &amp; human beings.</p> <p>WAD:glk F</p>	<p>Anonymous (1958) 584266  <u>Progr.Fish-Cult.</u>, 20:65  The Mexican trout in California and New Mexico</p> <p>Brief report of the survival &amp; condition of trout transplanted to various situations.</p> <p>WAD:glk F</p>

Allison, L.N. (1958) 584267  
Progr.Fish-Cult., 20:66-8  
Multiple sulfa therapy of kidney  
disease among brook trout

Experiments on kidney disease in brook  
trout were made at the State Fish  
Hatchery, Marquette, Michigan. The  
effect of sulfamerazine, alone & in  
combination with sulfaguanidine &  
sulfadiazine, on kidney disease was  
tested.

WAD:glk

F

Schafer, H.E., Jr. & D.W. 584270  
Geagan (1958)  
Progr.Fish-Cult., 20:82-8  
Report on operation of the lake Chicot  
fishway

Study to determine whether fish would  
use a fish-way constructed on the lake  
Chicot Spillway.

WAD:glk

F

Webb, R.T. (1958) 584268  
Progr.Fish-Cult., 20:69-72  
Distribution of bluegill treated with  
tricaine methanesulfonate (M.S. 222)

In an attempt to increase the number  
or pounds of bluegill which could be  
carried on distribution trips, field  
tests were conducted to determine the  
value of M.S. 222 under actual  
distribution conditions.

WAD:glk

F

Anonymous (1958) 584271  
Progr.Fish-Cult., 20:88  
Trammel net increases sampling  
efficiency of the electric shocker

Brief account of comparison of results  
obtained by electric shocker, with  
those obtained using a trammel net in  
conjunction with the shocker.

WAD:glk

F

Carlander, K.D., C.J.DiCostanzo 584269  
& R.J. Jessen (1958)  
Progr.Fish-Cult., 20:73-81  
Sampling problems in creel census

Review of creel census methods now in  
use, discussion of the information  
to be obtained by such methods, & of  
some of the statistical aspects of the  
methodology. Incl. useful bibliography.

WAD:glk

F

Lawrence, J.M. (1958) 584272  
Progr.Fish-Cult., 20:89-91  
Further investigations on the use of  
delrad as an algacide in fishponds

Report on the effectiveness of this  
chemical as a algacide, its effects  
on fish production in ponds, & its  
effectiveness as a algacide in a  
mixture with roccal.

WAD:glk

F

Anonymous (1958) 584273  
Progr.Fish-Cult., 20:91  
More drugs tested for control of kidney  
disease

Tabulation of mortality among brook  
trout about 3 months after cessation of  
treatment for kidney disease with  
various chemicals.

WAD:glk

F

Hedgpeth, J.W. (1957) 584276  
Mem.geol.Soc.Amer., 1(67):693-729  
Estuaries and lagoons. II. Biological  
aspects

Review article in Hedgpeth, J.W., 1957,  
"Treatise on marine ecology and  
paleoecology", 583211. A review  
covering the colonization of estuaries,  
the estuarine facies - flora & fauna -  
hypersaline lagoons & the borders of  
estuaries.

FAO:wad

MF

Buscemi, P.A. (1958) 584274  
Progr.Fish-Cult., 20:92-6  
Apparatus for taking near-bottom water  
samples in lakes

Description of this apparatus designed  
to take water samples at a distance of  
only 1-10 centimeters above the  
substratum in lakes.

WAD:glk

F

Emery, K.O. & R.L. 584277  
Stevenson (1957)  
Mem.geol.Soc.Amer., 1(67):729-49  
Estuaries and lagoons. III.  
Sedimentation in estuaries, tidal flats  
and marshes

Review article in Hedgpeth, J.W., 1957,  
"Treatise on marine ecology and  
paleoecology", 583211. A review  
covering grain size organic constituents  
manner of deposition, interstitial  
water, characteristic minor features -  
e.g. cross bedding, traces of  
burrowers, etc. - & ancient deposits.  
FAO:wad MF

Anonymous (1958) 584275  
Progr.Fish-Cult., 20:96  
A tag holder for use in the field

Description of a simple, convenient  
piece of equipment.

WAD:glk

F

von Brandt, A. (1957) 584278  
Fischereiwelt, (5) 38-40  
Versuche mit Heringstreibnetzen  
(Experiments with herring drift-nets)

Account of experiments with perlon  
& nylon nets, reporting changes in the  
characteristics of the thread & of  
the nets after various treatments.

FiB:glk

M

Anderson, I. (1957) 584279  
Scottish Home Dep. mar. Lab. Libr. Transl.  
Collect., 377:6 p.  
 Experiments with herring drift-nets  
 English translation of 584278.

Kroiskott, H. (1958) 584282  
Arch. Hydrobiol., 54:393-403  
 Natürliche und experimentelle Blockie-  
 rung der Eiablage bei Epiphanos  
senta (Thronberg) (Natural and  
 experimental blocking of egg deposition  
 of Epiphanos senta Thronberg)

FiB: M

FAO: F

Rodewald-Rudescu, L. (1958) 584280  
Arch. Hydrobiol., 54:303-39  
 Schilfrohr und Fischkultur im Donaudelta  
 (Reed and fishculture in the delta of  
 the Danube river)

Describes the importance of Phragmites.  
 Proposals are made with regard to its  
 cultivation & harvesting. Advantages of  
 a reed-fisheries project are stressed.

Kühlhorn, F. (1958) 584283  
Arch. Hydrobiol., 54:404-37  
 Untersuchungen über den Charakter  
 oberbayerischer Wasserkäfer-Biotop  
 (Investigations on the character of the  
 upper Bavarian water beetle-biotope)

FAO:dr MF

FAO: F

Scott, D. (1958) 584281  
Arch. Hydrobiol., 54:340-92  
 Ecological studies on the trichoptera  
 of the river Dean, Cheshire

Describes environmental conditions, &  
 the distribution of larvae & pupae  
 based on quantitative samples.

U.K. Ministry of Agriculture 584284  
 Fisheries & Food (1957)  
Fish. Lab., Lowestoft, 16 p.  
 Influence of D.S.L. on characteristics  
 of supersonic wave propagation

English translation of original article  
 by Hashimoto, T. & A. Maniwa, 1954,  
Tech. Rep. Fish. Boat, August 1954:167-85.

FAO:wad F

FiB: M

Armstrong, T. (1958) 584285  
Polar Rec., 9:184-90  
The recording and reporting of floating ice

Account of the efforts in recent years to establish a system for world-wide use in the recording of information on the distribution & behaviour of floating ice & for appropriate dissemination of this information.

FAO:glk

M

Anonymous (1958) 584288  
Polar Rec., 9:243-5  
Chilean Antarctic expedition, 1956-57

Brief note on the equipment & staff of the expedition, which incl. a marine biological group.

FAO glk

M

Roberts, B. (1958) 584286  
Polar Rec., 9:191-239  
Chronological list of Antarctic expeditions

Contents as per title.

FAO:glk

M

Anonymous (1958) 584289  
Polar Rec., 9:245-51  
The Falkland Islands dependancies survey, 1956-57

Note on the vessel movements in this survey, which incl. hydrographic work. Notes also on other activities.

FAO glk

M

Anonymous (1958) 584287  
Polar Rec., 9:242  
Soviet drifting stations in the Arctic ocean, 1957-58

Brief note on an original location & subsequent track, & on equipment used & observations made.

FAO:glk

M

Anonymous (1958) 584290  
Polar Rec., 9:251  
Oceanographical cruise of H.M.N.Z.S. HAWAIA & PUKAKI in the Southern Ocean, 1956-57

Brief note on work done in the Ross Dependency area.

FAO:glk

M

Lund, J.W.G. & J.F. 584291  
Talling (1957)

Bot.Rev., 23:489-583

Botanical limnological methods with  
special reference to the algae

Review of the methods & instruments used  
for observation of physical-chemical  
environment, collection of plankton &  
benthos samples & treatment of the  
collected materials, incl. also notes  
on the mathematical models of  
population behaviour.

FAO:t1

F

Mhrlich, S. (1957) 584294

Bamidgeh, 9:76-88

The biology of the nutria (Myocastor  
coypus Mol.)

Systematics, morphology, locomotion in  
water & on land, food & feeding, &  
bionomics are discussed.

FAO:tjj

F

Mhrlich, S. (1957) 584292

Bamidgeh, 9:65-9

On the importance of raising nutria in  
fish ponds

Describes results obtained in Poland  
with Myocastor coypus on elimination of  
Phragmites & Typha, manuring of pond  
& promoting nutritive castings eaten by  
carp & preliminary corroborative  
observations in the Kfar-Rupin ponds in  
Israel.

FAO:tjj

F

Farquharson, W.I. (1957) 584295

Canad.Surveyor, 13(6):325-30

A tidal survey of Canada's northern  
seas

M

Pruginin, Y. & H. Kitai (1957) 584293

Bamidgeh, 9:70-5

Cultivating mullets as a secondary fish  
in the carp ponds

Observations on effects of rates of  
growth of Mugil cephalus & M. capito on  
that of carp in Ma'agan Michael  
settlement, Israel, during 1956, with  
notes on food & the size & density of  
stocking material in mixed culture.

FAO:tjj

F

Guilcher, A. (1957) 584296

Ann.Géogr., 66(356):351-7

Progrès récents dans la connaissance de  
la mer polaire arctique (Recent  
progres in the knowledge of the arctic  
polar sea)

M

FAO/58/12/8947

Leonov, A.K. (1957) 584297  
Vestn. Leningradsk. Univ. (Gool. Geogr.),  
Vypusk 2(12):168-84  
 Nekotoryye osobennosti morfologii dna  
 Beringova moria (Some features of  
 the morphology of the bed of the  
 Bering Sea). Ln

M

U.S. Navy Hydrographic 584300  
 Office (1957)  
Toch. Rep. U.S. Navy hydrogr. Off., 155 p.  
 Operation Deep Freeze II 1956-57.  
 Oceanographic survey results

M

Sukhotskiy, V. (1957) 584298  
Morsk. Flot, (12):11-2  
Issledovaniia arkticheskikh morsk  
 (Investigations of arctic seas)

M

Modol, F. (1958) 584301  
Wiss. Ergebn. dtsh. antarkt. Exped. 1938-39,  
2(2):63-96  
 Ein Beitrag zur regionalen Ozeano-  
 graphie der Weddellsee (Surface  
 temperature measurements made from  
 whaling factory ship JAN WELLM, 1937-  
 38 and M.V. SCHWABENLAND, 1938-39 in  
 Weddell sea). Ln Fr

M

Schumacher, A. (1958) 584299  
Wiss. Ergebn. dtsh. antarkt. Exped. 1938/39,  
2(2):41-62  
 Die Lotungen der SCHWABENLAND  
 (Soundings in southern ocean from M.V.  
 SCHWABENLAND). Ln Fr

M

Komlov, A.M. (1957) 584302  
Not. Hidrolog., (12):31-2  
 Solovyye pavydki v Zapoliario  
 (Erosive torrents in the polar regions)

F

<p>Polyanskiy, Yu.I., Z.G. 584303  Palonichko &amp; V.M. Nadezhin (Ed.) (1957)  Izdatel'stvo Akad.Nauk SSSR, Moscow, 496p  Materialy po kompleksnomu izucheniiu  Bologo moria. I (Material on the all-  round study of the White Sea. I)</p> <p>M</p>	<p>Edmonds, S.J. (1957) 584306  <u>Rep.B.A.N.Z.antarct.Exped.</u>, 6(5):91-8  Acanthocophala</p> <p>IMP</p>
<p>Savilov, A.I. (1957) 584304  <u>Trud.Inst.Okeanol.</u>, 20:88-170  Biologicheskii oblik gruppirovok donnoi  fauny severnoi chasti Okhotskogo moria  (Biological aspect of groupings of  bottom fauna of the northern part of the  Okhotsk Sea)</p> <p>M</p>	<p>Dunbar, M.J. (1957) 584307  <u>Canad.J.Res.(Zool.)</u>, 35:797-819  The determinants of production in  northern seas: a study of the biology  of <u>Themisto libellula</u> Mandt.</p> <p>M</p>
<p>Filatova, Z.A. (1957) 584305  <u>Trud.Inst.Okeanol.</u>, 20:3-56  Obshchii obzor fauny dvustvorchatykh  molluskov severnykh morei SSSR  (General survey of bivalve molluscs of  the northern seas of the USSR)</p> <p>M</p>	<p>Vinogradov, M.Ye. (1957) 584308  <u>Trud.Inst.Okeanol.</u>, 20:186-227  Giperiidi (Amphipoda-Hyperiidea)  severozapadnoi chasti Tikhogo okeana  (Hyperiidea of the north-western part  of the Pacific ocean)</p> <p>M</p>

<p>Pokrovskaya, T.N. (1957) 584309  <u>Trud.Inst.Okeanol.</u>, 20:302-11.  Vozrast i rost navagi Karskogo moria  (Age and growth of the navaga of the Kara sea)</p> <p style="text-align: right;">M</p>	<p>Mohr, E. (1957) 584312  <u>Wittenberg Lutherstadt, A. Ziemsen Verlag</u>, 61 p.  Sirenen oder Seekühe (Sirenos or sea-cows)</p> <p style="text-align: right;">M</p>
<p>Averin, Yu.V. (1957) 584310  <u>Bull.Moscow nat.Soc.(Biol.)</u>, 62(5) 29-37  Zoogeograficheskiy ocherk Kamchatki  (Zoogeographical survey of Kamchatka).</p> <p style="text-align: right;">M</p>	<p>Laws, R.M. (1957) 584313  <u>Säugtiork.Mitt.</u>, 5(2):49-55.  On the growth rates of the leopard seal, <u>Hydrurga leptonyx</u> (De Blainville, 1820)   Description of technique of age determination based on measurement of canine tooth; analysis of growth in body length &amp; of growth of the canine tooth; age at sexual maturity.</p> <p style="text-align: right;">M</p>
<p>Provorov, N.V. (1957) 584311  <u>Trans.arct.Res.Inst.</u>, 205:73-86  K voprosu biologii i promysla belomorskoj belukhi v kandalakshskom zalive Belogo moria (On the biology and hunting of the White Sea white whale in Kandalakshskiy Zaliv, White Sea)</p> <p style="text-align: right;">M</p>	<p>Paulian, P. (1957) 584314  <u>Mammalia</u>, 21(3):210-25  Notes sur les phoques des îles Amsterdam et Saint-Paul (Notes on the seals of Amstordam and St. Paul's islands)</p> <p style="text-align: right;">M</p>

Arsen'yev, V.A. (1957) 584315  
Bull.Moscow nat.Soc.(Biol.), 62(5):39-44  
Nablyudeniiia za tiuleniami Antarktiki  
(Observations of seals of the  
Antarctic)

M

Carlson, C.B. (1958) 584318  
Pesca y Marina, 9(6):6-8, 10.  
Equipos de cebo vivo (Equipment of  
alive bait)

Translation of English article.

FAO:

M

Clarke, R. (1957) 584316  
Neptunia, (46):2-7  
La baleinière des Açores (The  
whale-boat of the Azores)

Semi-popular account of the fishery,  
its equipment & its methods.

:glk

M

Anonymous (1958) 584319  
Pesca y Marina, 9(6):9-10  
Evolucion de la langosta cubana  
(Development of the Cuban lobster)

Translation from Mar y Pesca of article  
on biology of Panulirus argus.

FAO:sjh

M

Jørgensen, J. (1957) 584317  
Grønland, (9):330-9  
Nordafar A/S

M

Hardy, E. (1958) 584320  
Pesca y Marina, 9(6):11-4  
Productos pesqueros y sus elaboraciones  
(Fishery products and their handling  
and preparation)

Continuation of previous article giving  
alphabetical list from ARNQUE to  
BACALAO.

FAO:sjh

MF

Anonymous (1958) 584321  
Pesca y Marina, 9(6):16  
Nuevos aperos para ahorrar tiempo y  
trabajo (New equipment to save  
time and work)

Contents as per title.

FAO:sjh

M

Anonymous (1958) 584324  
Nature, Lond., 182:162-3  
Directing young salmon

Review of 584322.

GLK:

MF

Brett, J.R. & D.F. 584322  
Alderdice (1958)  
Bull.Fish.Res.Bd Can., (117):75 p.  
Research on guiding young salmon at  
two British Columbia field stations

Account of 4 seasons' research on  
guiding young Pacific salmon while  
migrating downstream.

GLK:efa

MF

Tebble, N. (1958) 584325  
Nature, Lond., 182:166-7  
Distribution of pelagic polychaetes in  
the South Atlantic Ocean

Discusses correlations between the  
distribution of spp. & the movements of  
water masses.

GLK:wad

M

McLaren, I.A. (1958) 584323  
Bull.Fish.Res.Bd Can., (118):97 p.  
The biology of the ringed seal (Phoca  
hispida Schreber) in the Eastern  
Canadian Arctic

Studies of age based on dental annuli  
& claw marks, of body proportions,  
stomach contents indicating change  
between inshore & offshore feeding,  
moulting, sex ratio, breeding habits  
& habitats of young & adult.

GLK:tjj

M

Corbet, P.S. & S.A. Corbet (1958) 584326  
Nature, Lond., 182:194  
Emergence of a summer species of  
dragonfly

Provides data on time & duration of  
adult emergences in Aeshna cyanoa  
Müller compared with Anax imperator  
Leach.

GLK:wad

F

Squires, D.F. (1958) 584327  
Bull.Amer.Mus.(Nat.Hist.), 115(4):215-62  
Stony corals from the vicinity of  
Bimini, Bahamas, British West Indies

M

Herring, J.L. (1958) 584330  
Dana Rep., (44):14 p.  
The marine water-striders of the DANA  
expeditions (Insecta:Hemiptera)

M

Anonymous (1958) 584328  
Nature, Lond., 182:561  
Seals and nets

Note on British Parliament debate on  
an Order to limit further increases in  
the grey seal by annual culling in  
which reference was made to need for  
further research.

GLK:glk

M

Bertelsen, E. (1958) 584331  
Dana Rep., (45):  
The argentinoid fish Xenophtalmichthys  
danao

M

Knauss, J.A. & J.E. King (1958) 584329  
Nature, Lond., 182:601-2  
Observations of the Pacific Equatorial  
undercurrent

Announcement of measurement of the  
Pacific Equatorial Current &  
description of the operations.  
Proposals to name this the Cromwell  
current.

GLK:glk

M

Worthington, E.B. & J.G. 584332  
Skellam (1958)  
Nature, Lond., 182:686  
Dynamics of fish populations

Review of 581530.

GLK:

MF

<p>Anonymous (1958) 584333  <u>Nature, Lond.</u>, 182:701  <u>The Council for Nature</u></p> <p>Report of inaugural meeting;  objectives &amp; plans.</p> <p>GLK:glk F</p>	<p>Mann, K.H. (1958) 584336  <u>Nature, Lond.</u>, 182:732  <u>Occurrence of an exotic oligochaete</u>  <u>Branchiura sowerbyi</u> Beddard, 1892, in  the river Thames</p> <p>Report of the occurrence &amp; its  circumstances, &amp; discussion of previous  records.</p> <p>GLK:glk F</p>
<p>Anonymous (1958) 584334  <u>Nature, Lond.</u>, 182:703-4  <u>Scientific research and development</u>  <u>in East Africa</u></p> <p>Annual report of the East Africa High  Commission for 1957, contains reference  to work of the East Africa Fishery  Research Organization.</p> <p>GLK:glk MF</p>	<p>Anonymous (1958) 584337  <u>Nature, Lond.</u>, 182:753-4  <u>The SIBOGA polyzoa</u></p> <p>Review of "The Polyzoa of the SIBOGA  Expedition", by S.F. Harmer.</p> <p>GLK: M</p>
<p>Adinolfi, M. &amp; G.Chieffi (1958) 584335  <u>Nature, Lond.</u>, 182:730  <u>Larval and adult haemoglobins of the</u>  <u>cyclostome <u>Petromyzon planeri</u></u></p> <p>Investigation of electrophoretic  behaviour of haemoglobin using starch  gel &amp; a discontinuous buffer system.</p> <p>GLK:glk MF</p>	<p>Schmidt-Nielsen, K. &amp; 584338  R. Fange (1958)  <u>Nature, Lond.</u>, 182:783-5  <u>Salt glands in marine reptiles</u></p> <p>Describes histological &amp; direct  observational investigations indicating  that an extra-renal mechanism for salt  excretion is present in marine turtles,  crocodiles, snakes &amp; lizards.</p> <p>GLK:wad M</p>

Dimelow, E.J. (1958) 584339  
Nature, Lond., 182:812  
Pigments present in arms and pinnules  
of the crinoid, Antedon bifida  
(Pennant)

Describes extraction procedure & tests  
performed on pigment, & contains notes  
on the animal's response to light.

GLK:wad

M

Watts, J.C.D. (1958) 584342  
Nature, Lond., 182:961-2  
The saw-fish of Sierra Leone

Notes on Pristis pectinatus, P. pristis  
& P. peroteti.

GLK:wad

MF

Nair, N. Balakrishnan & 584340  
H. Leivestad (1958)  
Nature, Lond., 182:814-5  
Effect of low temperature on the  
vertical distribution of two wood-  
boring crustaceans

Describes experiments with Limnoria  
lignorum & Chelura terebrans.

GLK:wad

M

Vasisht, H. Sagar (1957) 584343  
Res.Bull.M.Punjab Univ., (126):443-6  
Fish spermatogenesis with particular  
reference to the fate of the cytoplasmic  
inclusions. 4. Spermatogenesis of  
Ophiocephalus punctatus

F

Dawes, B. (1958) 584341  
Nature, Lond., 182:960-1  
Sagitta as a host of larval trematodes,  
including a new and unique type of  
Cercaria

Brief review of their presence in  
Sagitta & discussion of collections  
from ROSAURA expedition.

GLK:wad

M

Tarzwel, C.M. (Ed.) (1957) 584344  
U.S.Dep.of Health, Educ. & Welfare,  
Robert A. Taft Sanitary Engng Contor,  
272 p.  
Biological problems in water pollution-  
Transactions of a Seminar on Biological  
Problems in Water Pollution held at the  
Robert A. Taft Sanitary Engineering  
Center, Cincinnati, Ohio, April 23-7,  
1956

Contains 27 individual articles by  
different authors on the general  
subjects of: bioassays; biological  
indicators of pollution; current  
investigations (U.S. & U.K.) in water

584344  
(Card 2)  
pollution biology; training of  
aquatic sanitary biologists; water  
quality criteria for aquatic life.  
Many of these are reviews.

WAD:wad

MF

Henderson, C. (1957) 584348  
In "Biological Problems in Water  
Pollution", by C.M. Tarzwell (Ed.),  
U.S.Dep.of Health, Educ. & Welfare,  
Robert A.Taft Sanitary Engng Center,  
1957, 31-7  
Application factors to be applied to  
bioassays for the safe disposal of  
toxic wastes

Reviews the subject of bioassays, lists  
the individual factors to be considered  
in developing a single application  
factor for specific wastes & shows how  
one may be attained.

WAD:wad

F

Burdick, G.E. (1957) 584346  
In "Biological Problems in Water  
Pollution", by C.M. Tarzwell (Ed.),  
U.S.Dep.of Health, Educ. & Welfare,  
Robert A. Taft Sanitary Engng Center,  
1957, 19-20  
Derivation of the threshold value for  
toxicity and the equation of the  
curve by a graphical method

A note on the hypothesis that the  
curvature found in graphs of toxicity  
when time is plotted against concen-  
tration on logarithmic paper is  
introduced by the failure of the  
effective range to conform to the axes  
of the paper.

WAD:wad

F

Cooke, Wm.B. (1957) 584349  
In "Biological Problems in Water  
Pollution", by C.M. Tarzwell (Ed.),  
U.S.Dep.of Health, Educ. & Welfare,  
Robert A.Taft Sanitary Engng Center,  
1957, 39-42  
Some problems in the identification of  
microorganisms

Discusses the problem of identification  
with respect to biological indicators of  
pollution stressing the need for mono-  
graphic studies using the techniques of  
experimental taxonomy.

WAD:wad

F

U.S.Public Health Service (1957) 584347  
In "Biological Problems in Water  
Pollution", by C.M. Tarzwell (Ed.),  
U.S.Dep.of Health, Educ. & Welfare,  
Robert A. Taft Sanitary Engng Center,  
1957, 22-30

Interim plan for standardizing the  
bioassay of paralytic shellfish  
poison by use of a reference standard

Contents as per title.

WAD:wad

II

Kabler, P. (1957) 584350  
In "Biological Problems in Water  
Pollution", by C.M. Tarzwell (Ed.),  
U.S.Dep.of Health Educ. & Welfare,  
Robert A.Taft Sanitary Engng Center,  
1957, 43-9

Use and value of bacterial indicators  
of pollution

Contents as per title.

WAD:wad

F

Lackey, J.B. (1957) 584351  
In "Biological Problems in Water Pollution", by C.M. Tarzwell (Ed.),  
 U.S. Dep. of Health, Educ. & Welfare,  
 Robert A. Taft Sanitary Engng Center,  
 1957, 50-9  
 Protozoa as indicators of the ecological  
 condition of a body of water

A discussion of "Protista" incl. a  
 table of Rhizopoda, Mastigophora, Volvo-  
 calces, Euglenophyceae, Chrysophyceae,  
 Coccolithophora, Dinoflagellata, Crypto-  
 phyceae, & Ciliata showing their  
 probable oxygen relationships, & their  
 frequency of occurrence in various types  
 of polluted & unpolluted waters.

WAD:wad MF

Cooke, Wm.D. (1957) 584354  
In "Biological Problems in Water Pollution", by C.M. Tarzwell (Ed.),  
 U.S. Dep. of Health, Education & Welfare,  
 Robert A. Taft Sanitary Engng Center,  
 1957, 84-93  
 Use and value of fungi as biological  
 indicators of pollution

A review incl. an annotated  
 bibliography.

WAD:wad

F

Palmer, C.M. (1957) 584352  
In "Biological Problems in Water Pollution", by C.M. Tarzwell (Ed.),  
 U.S. Dep. of Health, Educ. & Welfare,  
 Robert A. Taft Sanitary Engng Center,  
 1957, 60-9  
 Algae as biological indicators of  
 pollution

Based on a review of 56 workers on the  
 subject, tables are presented of the  
 fifty most pollution-tolerant genera &  
 fifty most tolerant spp. in order of  
 decreasing emphasis.

WAD:wad F

Ingram, W.M. (1957) 584355  
In "Biological Problems in Water Pollution", by C.M. Tarzwell (Ed.),  
 U.S. Dep. of Health, Educ. & Welfare,  
 Robert A. Taft Sanitary Engng Center,  
 1957, 94-135  
 Use and value of biological indicators  
 of pollution: fresh water clams and  
 snails

A review incl. a discussion of  
 selected references, a list of  
 identification sources & a bibliography  
 of 85 titles.

WAD:wad

F

Patrick, R. (1957) 584353  
In "Biological Problems in Water Pollution", by C.M. Tarzwell (Ed.),  
 U.S. Dep. of Health, Education & Welfare,  
 Robert A. Taft Sanitary Engng Center,  
 1957, 71-83  
 Diatoms as indicators of changes in  
 environmental conditions

A review of the subject.

WAD:wad F

Gauvin, A.R. (1957) 584356  
In "Biological Problems in Water Pollution", by C.M. Tarzwell (Ed.),  
 U.S. Dep. of Health, Educ. & Welfare,  
 Robert A. Taft Sanitary Engng Center,  
 1957, 136-43  
 The use and value of aquatic insects as  
 indicators of organic enrichment

A short & general review of the  
 subject.

WAD:wad

F

Doudoroff, P. & C.E. 584357

Warren (1957)

In "Biological Problems in Water Pollution", by C.M. Tarzwell (Ed.), U.S.Dep. of Health, Educ. & Welfare, Robert A. Taft Sanitary Engng Center, 1957, 144-63

Biological indices of water pollution, with special reference to fish populations

A general discussion incl. definitions of pollution & some comparisons between the use of fish & other indicator organisms.

WAD:wad

F

Mackenthum, K.M. (1957) 584360

In "Biological Problems in Water Pollution", by C.M. Tarzwell (Ed.), U.S.Dep. of Health, Educ. & Welfare, Robert A. Taft Sanitary Engng Center, 1957, 179-83

Current water pollution investigations and problems

A brief review incl. notes on the history & administration of control, biological surveys, etc.

WAD:wad

F

Surber, E.W. (1957) 584358

In "Biological Problems in Water Pollution", by C.M. Tarzwell (Ed.), U.S.Dep. of Health, Educ. & Welfare, Robert A. Taft Sanitary Engng Center, 1957, 164-74

Biological criteria for the determination of lake pollution

Mainly a description of quantitative studies of bottom animals in Michigan lakes as a basis for determining the degree of pollution.

WAD:wad

F

Neil, J.H. (1957) 584361

In "Biological Problems in Water Pollution", by C.M. Tarzwell (Ed.), U.S.Dep. of Health, Educ. & Welfare, Robert A. Taft Sanitary Engng Center, 1957, 184-7

Investigations and problems in Ontario

Brief review.

WAD:wad

F

Beck, W.M., Jr. (1957) 584359

In "Biological Problems in Water Pollution", by C.M. Tarzwell (Ed.), U.S.Dep. of Health, Educ. & Welfare, Robert A. Taft Sanitary Engng Center, 1957, 175-7

The use and abuse of indicator organisms

A brief discussion of the matter incl. some references to work in Florida.

WAD:wad

F

Waldichuk, M. (1957) 584362

In "Biological Problems in Water Pollution", by C.M. Tarzwell (Ed.), U.S.Dep. of Health, Educ. & Welfare, Robert A. Taft Sanitary Engng Center, 1957, 188-94

Report on pollution studies conducted in Western Canada

Covers industrial & domestic pollution studies.

WAD:wad

MF

Reish, D.J. (1957) 584363  
In "Biological Problems in Water  
Pollution", by C.M. Tarzwell (Ed.),  
U.S.Dep. of Health, Educ. & Welfare,  
Robert A. Taft Sanitary Engng Center,  
1957, 195-200

The relationship of the polychaetous  
annelid Capitella capitata (Fabricius)  
to waste discharges of biological  
origin

Studies in marine waters of southern  
California discussing the use of this  
form as a possible indicator of  
pollution.

WAD:wad

M

Reis, J.N. (1957) 584366  
In "Biological Problems in Water  
Pollution", by C.M. Tarzwell (Ed.),  
U.S.Dep. of Health, Educ. & Welfare,  
Robert A. Taft Sanitary Engng Center,  
1957, 215-9

Current investigations in water  
pollution biology

Brief description of general problem &  
of the control, abatement or investiga-  
tional work of agencies & individuals  
within the state. Incl. a discussion of  
fish kills & the establishment of  
monetary standards as recompense for  
them.

WAD:wad

F

Warren, C.L. & P. 584364  
Doudoroff (1957)  
In "Biological Problems in Water  
Pollution", by C.M. Tarzwell (Ed.),  
U.S.Dep. of Health, Educ. & Welfare,  
Robert A. Taft Sanitary Engng Center,  
1957, 201-8

Cooperative research at Oregon State  
College in the biological aspects of  
water pollution

Describes the research conducted by the  
college & the R.A. Taft Sanitary  
Engineering Center of the U.S. Public  
Health Service.

WAD:wad

F

Beak, T.W. (1957) 584367  
In "Biological Problems in Water  
Pollution", by C.M. Tarzwell (Ed.),  
U.S.Dep. of Health, Educ. & Welfare,  
Robert A. Taft Sanitary Engng Center,  
1957, 220-3

Biology and water pollution in Great  
Britain

Review of legal aspects, research & a  
contrast between British & American  
approaches.

WAD:wad

F

Neel, J.K. (1957) 584365  
In "Biological Problems in Water  
Pollution", by C.M. Tarzwell (Ed.),  
U.S.Dep. of Health, Educ. & Welfare,  
Robert A. Taft Sanitary Engng Center,  
1957, 209-14

Some aspects of water pollution in the  
Missouri basin

Describes sources & effects.

WAD:wad

F

Newcombe, C.L. (1957) 584368  
In "Biological Problems in Water  
Pollution", by C.M. Tarzwell (Ed.),  
U.S.Dep. of Health, Educ. & Welfare,  
Robert A. Taft Sanitary Engng Center,  
1957, 225-9

The training of aquatic sanitary  
biologists

Discusses objectives & presents  
suggestions.

WAD:wad

MF

Renn, C.M. (1957) 584369  
In "Biological Problems in Water  
Pollution", by C.M. Tarzwell (Ed.),  
U.S. Dep. of Health, Educ. & Welfare,  
Robert A. Taft Sanitary Engng Center,  
1957, 230-3  
The training of aquatic sanitary  
biologists - a letter

Discusses demand for these men, why  
special training is required, role of  
universities in training, how training  
can be improved, & why students should  
be encouraged to enter related fields.

WAD:wad

F

Tarzwell, C.M. (1957) 584372  
In "Biological Problems in Water  
Pollution", by C.M. Tarzwell (Ed.),  
U.S. Dep. of Health, Educ. & Welfare,  
Robert A. Taft Sanitary Engng Center,  
1957, 246-72  
Water quality criteria for  
aquatic life

Discusses environmental factors  
affecting aquatic life: temperature,  
settleable solids & turbidity, pH,  
oxygen, carbon dioxide, dissolved solids  
chlorides, fluorides & toxic materials.  
Suggests numerical criteria for  
temperature, dissolved oxygen & pH for

Wilson, J.N. (1957) 584370  
In "Biological Problems in Water  
Pollution", by C.M. Tarzwell (Ed.),  
U.S. Dep. of Health, Educ. & Welfare,  
Robert A. Taft Sanitary Engng Center,  
1957, 235-9  
Effects of turbidity and silt on  
aquatic life

A brief review together with the  
results of a study of gold dredging in  
Oregon & some remarks concerning water  
quality criteria for silt & turbidity.

WAD:wad

F

584372  
(Card 2)  
fish populations in the U.S.; gives  
suggestions as to use of bioassays,  
etc.

WAD:wad

MF

Meehan, O.L. (1957) 584371  
In "Biological Problems in Water  
Pollution", by C.M. Tarzwell (Ed.),  
U.S. Dep. of Health, Educ. & Welfare,  
Robert A. Taft Sanitary Engng Center,  
1957, 240-5  
The effect of pollution upon wildlife

A general review with reference to fish  
& wildlife with emphasis upon work  
carried out by the U.S. Fish & Wildlife  
Service.

WAD:wad

MF

Ahlstrom, M.H. & al. (1958) 584374  
Fish. Bull., U.S., (132):187-214  
High-speed plankton sampler

Description of the equipment & of its  
operation & of tests made as to its  
sampling of plankton generally & the  
planktonic eggs of various fish.  
Evaluation of equipment with regard to  
horizontal & vertical ranges, & its  
reliability in revealing variations in  
density; instructions for operation &  
calibration are given as appendices.

FAO:glk

M

McMichael, D.F. (1958) 584375  
Trans.roy.Soc.N.Z., 85:427-32  
The nature and origin of the New  
Zealand freshwater mussel fauna

Review of recent freshwater mussel  
fauna of New Zealand & its relation to  
that of Australia. Relationship between  
freshwater mussels of Australasia &  
those of South America is confirmed.

FAO:cfa

F

584377  
(Card 2)

Pseudodistoma Michaelson &  
Thoodorella Michaelson.

FAO:cfa

M

Russell, C.R. (1958) 584376  
Trans.roy.Soc.N.Z., 85:433-7  
Some rotifers from Malaya

Lists spp. of Rotatoria from Singapore;  
mostly tropical & a few temperate zone  
forms.

FAO:cfa

F

Brewin, B.I. (1958) 584379  
Trans.roy.Soc.N.Z., 85:455-8  
Ascidians of New Zealand. Part XII -  
Ascidians of the Hauraki Gulf, part III

Lists 44 ascidians spp. from the  
locality with new recorded Amaroucium  
cotrelli Brewin, A. thomsoni Brewin,  
Sigillinaria arenosa Brewin & Lepto-  
clinides diemenensis Michaelson; incl.  
descriptions of 2 new spp. Amaroucium  
powelli & Lissoclinum notti together  
with newly recorded Leptoclinides  
diemenensis.

FAO:cfa

M

Brewin, B.I. (1958) 584377  
Trans.roy.Soc.N.Z., 85:439-53  
Ascidians of New Zealand. Part XI -  
Ascidians of the Stewart Island Region

Lists 58 ascidian spp. from this region  
with description of 7 new spp. - Poly-  
clinum novae-zelandiae, Amaroucium  
maritimum, Pseudodistoma sigillinoides,  
Leptoclinides novaezelandiae,  
Trididemnum sluiteri, Botryllus  
stewartensis & Molgula herdmanni - &  
detailed description of Polycarpa  
pogasis Michaelson. Incl. proposed new  
classification in sub-family Euherdma-  
ninae & amendments for diagnosis of

Anonymous (1957) 584380  
New Scient., 2(45):46  
Weather in the cards

Review of 581958.

FAO:

MF

Anonymous (1957) 584381  
Industr. Engng Chem., 49(3):29A-34A  
Waste disposal at sea

The 2 most important aspects of deep sea disposal of waste waters are the toxicity of the wastes to marine life & the dispersal rate under given oceanographic conditions. Some considerations which should be taken into account when disposing of organic chloride wastes, are discussed. Large-scale waste disposal at sea is economical for chemical plants located near tide water.

M

Anonymous (1957) 584384  
Wat. Life, 13:83-4  
Ridding water of chlorine

Concerning the toxicity of free chlorine & chloramine to fish & other forms of aquatic life. Methods for dechlorination, where fish life has to be considered, are outlined, incl. filtration through activated carbon, addition of sodium thiosulphate, & aeration.

wad

F

LaDue, W.R. (1957) 584382  
Wat. & Sewage Wks., 104:503-5  
Watershed protection, reservoir management and pollution abatement

Discusses the prevention of erosion of watershed areas by afforestation, the allowances made for silting when a reservoir is built, the management of reservoirs, the policy of U.S.A. in the prevention of pollution of rivers, & the adequacy of existing water works for treating polluted waters in the futuro.

wad

F

Anonymous (1957) 584385  
Wat. Res. News, (3):6-23  
The toxicity of copper

A survey of the literature on the toxicity of copper is given, to show whether or not the presence of the element in water supplies is harmful to man & domestic animals. Recommendations for legislation, & standards for the maximum permissible concentration of copper in water supplies are given.

wad

F

Ives, K.J. (1957) 584383  
Wat. & Wat. Engng, 61:387-9  
Algae and water supplies. 3. Control of algae in reservoirs

Discusses the control of algal growth in reservoirs by elimination of nutrients from the water, by removal of river plankton from the influent, & by the use of algicides.

tl

F

U.K. Metropolitan Water Board (1957) 584386  
Staples Press Ltd., London, 74 p.  
Thirty-sixth report on the results of the bacteriological, chemical and biological examination of the London waters for the years 1953-54

In the biological section, the occurrence of algae in the principal storage reservoirs, studies on the control of mussels in pipes by chlorination, & the occurrence & control of midges in certain reservoirs, are discussed.

wad

F

Kiker, J.M. (1957) 584387  
Publ.Wks, N.Y., 88(12):89-90  
Advancements in bacteriology and  
analytical methods

584387

F

Nilos, T.M. (1957) 584390  
Proc.Amer.Soc.civ.Engrs, 83,SA5(1408):18p.  
Disporsal of pollution by tidal  
movements

584390

A description is given of tidal  
movements, calculations of the tidal  
prism, & the way in which entering  
pollution is dispersed, & the difficulty  
of applying oxygen balance computations  
to tidal waters is indicated.

:tl

MF

Chalupa, J. & M. 584388  
Stöpanek (1957)  
Sci.Pap.Inst.chem.Technol., Prague,  
1957:249-337  
(A contribution to the study of vertical  
migration of zooplankton and environ-  
ment characteristics in reservoir  
Sedlice (Czechoslovakia) ). Cz En

Results of a survey made over a period  
of 48 hours in 1955. A new method is  
suggested for studying vertical  
migration in reservoirs, using 3  
vertical sampling stations, to eliminate  
errors caused by horizontal movements  
of the water & individual populations  
of the same form.

:wad

F

Boschetti, M.M. & T.F. 584391  
McLoughlin (1957)  
Sanitalk, 5(4):14-8  
Toxicity of sodium arsenite to minnows

Describes experiments to determine the  
median tolerance limits of the minnow,  
Notropis hudsonius, to sodium arsenite.

:wad

F

Harwood, F.L. & K.C. 584389  
Wilson (1957)  
Surveyor, Lond., 116:1073-4  
Disposal of power-station ash into the  
sea

The problem of the disposal of residual  
ash from the power station situated  
north of Blyth harbour, Northumberland,  
is discussed.

Horbert, D.W.M. & al. (1957) 584392  
Wat.Waste Treatm.J., 6:394-7  
Toxicity of synthetic detergents to  
rainbow trout

A series of experiments have been made  
to determine the toxicity of synthetic  
detergents to rainbow trout, Salmo  
gairdnerii Richardson.

:tl

M

:tl

F

Ives, K.J. (1957) 584393  
Wat. & Wat.Engng, 61:432-4  
Algae and water supplies. 4. Physical  
removal of algae

Reviews work carried out on the  
filtration & microstraining techniques  
for removal of algae from water  
supplies.

tl

F

Gorham, E. (1957) 584396  
Tellus, 9:174-9  
The chemical composition of some waters  
from lowland lakes in Shropshire,  
England

Contents as per title.

tl

F

Ives, K.J. (1957) 584394  
Wat. & Wat.Engng, 61:481-2  
Algae and water supplies. 5. The  
removal of algae by chemical coagulants

The possibility of using coagulation  
in the treatment of water containing  
heavy algal growths is discussed with  
reference to previous publications by  
other workers & to the work of the  
author published in 1955.

tl

F

Saddington, K. (1958) 584397  
Chem.Tr.J., 142:260 & 262  
Fission-products disposal

Describes the current British & U.S.  
methods of treatment of radioactive  
waste waters, of high, medium & low  
activity, & indicates the costs of the  
various methods. Research in progress  
on the treatment of radio-active waste  
waters was outlined briefly.

tl

MF

Merkol, J.R., A.F. Carlucci 584395  
& D. Pramor (1957)  
Nature, Lond., 180:1489-90  
Respiratory characteristics of marine  
bacteria

The respiratory activity of a marine  
bacterium isolated from sea water  
collected in the vicinity of Fort  
Johnson, S.C., was compared with that  
of Escherichia coli on endogenous &  
exogenous substrates, in the absence &  
presence of sea water, using a Warburg  
respirometer & conventional manometric  
procedures.

GLK:tl

M

Swain, A. & O.F. Newman (1957) 584398  
Fish.Invest., Lond., 6(1):40 p.  
Hydrographical survey of the river Usk

Made to determine what effect the  
erection of an electricity generating  
station, using water from the mouth of  
the river to cool the generators, would  
have on the general condition of the  
river, & hence on the salmon fisheries.

tl

F

Deschiens, R., V. Molinari & 584399  
D. Bartrand (1957)  
Bull.Soc.Pat.exot., 50(1):59-61  
The action of "zinc water" as a toxic  
agent on molluscs

Contents as per title.

:tl

F

Anonymous (1958) 584402  
Comm.Fish.Rev., 20(8):26  
Alaska - Wildlife refuge created to  
protect sea otter

FAO:

II

Deschiens, R. & V. 584400  
Molinari (1957)  
Bull.Soc.Pat.exoc., 50(1):62-5  
The toxic effect on molluscs of  
granulated zinc

Contents as per title.

:tl

F

Anonymous (1958) 584403  
Comm.Fish.Rev., 20(8):26-7  
California - Anchovy concentration  
reported off coast

FAO:

M

Anonymous (1958) 584401  
Comm.Fish.Rev., 20(8):25  
Alaska - Game law revision includes  
protection of walrus on high seas

FAO:

M

Anonymous (1958) 584404  
Comm.Fish.Rev., 20(8):27  
California - Commercial fisheries  
landings decline in 1957

FAO:

M

Anonymous (1958)  
Comm.Fish.Rev., 20(8):28  
California - Kelp study

584405

Anonymous (1958)  
Comm.Fish.Rev., 20(8):31-2  
California - Sardine distribution and  
abundance off Southern California  
surveyed from air

584408

Contents as per title.

FAO:

M

FAO:

M

Anonymous (1958)  
Comm.Fish.Rev., 20(8):29-30  
California - Spawning sardine behaviour  
observed by aerial scouting

584406

Anonymous (1958)  
Comm.Fish.Rev., 20(8):33  
Crabs - Investigation of blue-crab  
abundance and catch fluctuations

584409

Contents as per title.

FAO:

M

FAO:

M

Anonymous (1958)  
Comm.Fish.Rev., 20(8):30-1  
California - Aerial techniques used to  
census commercial and sport fishing

584407

Anonymous (1958)  
Comm.Fish.Rev., 20(8) 34  
Films - Filming to start on first of two  
salmon films

584410

Contents as per title.

FAO:

M

FAO:

MF

Anonymous (1958) 584411  
Comm.Fish.Rev., 20(8):35  
Great lakes fishery investigations -  
Western lake Erie survey continued  
(M/V CISCO Cruise 5)

FAO: F

Anonymous (1958) 584414  
Comm.Fish.Rev., 20(8):38-9  
Maryland - Progress report on causes of  
red discoloration in oysters and soft  
clams

Contents as per title.

FAO: KF

Anonymous (1958) 584412  
Comm.Fish.Rev., 20(8):35-6  
Gulf exploratory fishery program -  
Exploratory and commercial-scale  
fishing for royal-red shrimp off  
Florida east coast (M/V SILVER BAY  
Cruise 9)

Contents as per title.

FAO: M

Anonymous (1958) 584415  
Comm.Fish.Rev., 20(8):39-40  
North Atlantic fisheries exploration  
and gear research - Exploratory  
trawling for commercial quantities of  
launce by M/V METACOMET

Contents as per title.

FAO: M

Anonymous (1958) 584413  
Comm.Fish.Rev., 20(8):36  
Gulf exploratory fishery program -  
Preliminary experiments to catch red  
snappers with bottom traps unsuccessful  
(M/V GEORGE M. BOWERS Cruise 12)

Contents as per title.

FAO: M

Anonymous (1958) 584416  
Comm.Fish.Rev., 20(8):40  
North Atlantic fisheries investigations -  
Demonstration cruise made by M/V  
ALBATROSS III

FAO: M

Anonymous (1958) 584417  
Comm.Fish.Rev., 20(8):40-1  
North Atlantic fisheries investigations  
- Groundfish behaviour studied with  
underwater television (M/V ALBATROS III  
Cruise 112)

FAO:

M

Anonymous (1958) 584420  
Comm.Fish.Rev., 20(8):42-3  
Oysters - Seed scarcity and predator  
problems in Atlantic coast oyster  
industry under study

Contents as per title.

FAO:

MF

Anonymous (1958) 584418  
Comm.Fish.Rev., 20(8):41  
North Atlantic fisheries  
investigations - Number of stations  
reduced on life-history studies of  
scallops and industrial fish (M/V  
Jacquelyn)

FAO:

M

Anonymous (1958) 584421  
Comm.Fish.Rev., 20(8):43-4  
Pacific oceanic fishery investigations -  
Oceanographic survey made by  
helicopter

FAO:

M

Anonymous (1958) 584419  
Comm.Fish.Rev., 20(8):41-2  
North Pacific exploratory fishery  
program - Exploratory fishing for pink  
shrimp and two-trawl rig tested off  
Oregon coast (M/V JOHN N. COBB Cruise  
38)

Contents as per title.

FAO:

M

Anonymous (1958) 584422  
Comm.Fish.Rev., 20(8):44-6  
Pacific oceanic fishery investigations -  
New ocean current and tuna in the  
Marquosias surveyed (M/V HUGH M. SMITH  
Cruise 45)

Contents as per title.

FAO:

M

Anonymous (1958) 584423  
Comm.Fish.Rev., 20(8):46-7  
Pacific oceanic fishery investigations  
- Tuna tagging developments

FAO: M

Anonymous (1958) 584426  
Comm.Fish.Rev., 20(8):48-9  
Salmon - Researchers probe problems  
of propagation

FAO: F



Anonymous (1958) 584424  
Comm.Fish.Rev., 20(8):47  
Pacific salmon investigations -  
Initial tests on "endless" fishways  
completed

FAO: F

Anonymous (1958) 584427  
Comm.Fish.Rev., 20(8):49  
Sea lions - Population census along  
California coast

FAO: M

Anonymous (1958) 584425  
Comm.Fish.Rev., 20(8):47-8  
Salmon - Pond-rearing studies initiated  
by Oregon fish commission

FAO: F

Anonymous (1958) 584428  
Comm.Fish.Rev., 20(8):49  
Shrimp - Shrimp landings on Pacific  
coast increased in 1957

FAO: M

Anonymous (1958) 584429  
Comm.Fish.Rev., 20(8):50  
South Carolina - Fisheries biological  
research progress, April-June 1958.  
Oyster research

FAO:

MF

Anonymous (1958) 584432  
Comm.Fish.Rev., 20(8):56-7  
International Whaling Commission -  
Increase in blue-whale unit quota  
proposed at Meeting

Contents as per title.

FAO:

M

Anonymous (1958) 584430  
Comm.Fish.Rev., 20(8):51  
Tuna - Location of Pacific seamounts  
may aid fishery

Contents as per title.

FAO:

M

Anonymous (1958) 584433  
Comm.Fish.Rev., 20(8):57  
(North European) International  
Fisheries Convention - U.S.S.R.  
accedes to Convention

Contents as per title.

FAO:

M

Anonymous (1958) 584431  
Comm.Fish.Rev., 20(8):56  
International Pacific Halibut  
Commission - First season in areas 2 and  
1B closed

FAO:

M

Anonymous (1958) 584434  
Comm.Fish.Rev., 20(8):60-1  
Canada - New research vessel launched

Contents as per title.

FAO:

M

<p>Anonymous (1958) 584435  <u>Comm.Fish.Rev.</u>, 20(8):61  Canada - New type herring trawl developed for midwater or bottom fishing</p> <p>Contents as per title.</p> <p>FAO: M</p>	<p>Anonymous (1958) 584438  <u>Comm.Fish.Rev.</u>, 20(8):63  Egypt - Japanese-Egyptian fishing company to trawl in Mediterranean and Red Seas</p> <p>Contents as per title.</p> <p>FAO: M</p>
<p>Anonymous (1958) 584436  <u>Comm.Fish.Rev.</u>, 20(8):63  Denmark - Experiments on use of nylon thread in oyster culture disappointing</p> <p>Contents as per title.</p> <p>FAO: MF</p>	<p>Anonymous (1958) 584439  <u>Comm.Fish.Rev.</u>, 20(8):63  Faroe Islands - British convention on fishing limits denounced</p> <p>Contents as per title</p> <p>FAO: M</p>
<p>Anonymous (1958) 584437  <u>Comm.Fish.Rev.</u>, 20(8):63  Denmark - Proposed extension of fishing limits by Faroese may hurt fishermen</p> <p>Contents as per title.</p> <p>FAO: M</p>	<p>Anonymous (1958) 584440  <u>Comm.Fish.Rev.</u>, 20(8):63-4  Greco - Fisheries survey planned</p> <p>Contents as per title.</p> <p>FAO: M</p>

Anonymous (1958) 584441  
Comm.Fish.Rev., 20(8):66-7  
Japan - North Pacific mothership salmon  
fishing

FAO: M

Anonymous (1958) 584444  
Comm.Fish.Rev., 20(8):70-1  
New Guinea - Development of the  
fishing industry

Contents as per title.

FAO: M

Anonymous (1958) 584442  
Comm.Fish.Rev., 20(8):67  
Republic of Korea - Marine products  
yield increased in 1957

FAO: M

Anonymous (1958) 584445  
Comm.Fish.Rev., 20(8):71  
Norway - Cod fisheries trends as of  
May 31, 1958

Contents as per title.

FAO: M

Anonymous (1958) 584443  
Comm.Fish.Rev., 20(8):67  
Mexico - Concession for kelp harvesting  
granted

FAO: M

Anonymous (1958) 584446  
Comm.Fish.Rev., 20(8):74-5  
Norway - New ocean research vessel  
JOHAN HJORT

FAO: M

Anonymous (1958) 584447  
Comm.Fish.Rev., 20(8):76  
Norway - Winter herring catch for 1958  
down 50 percent

Contents as per title.

FAO: M

Anonymous (1958) 584450  
Comm.Fish.Rev., 20(8):78  
Portugal - Now type fishing trawler  
launched

FAO: M

Anonymous (1958) 584448  
Comm.Fish.Rev., 20(8):76-7  
Poland - Factory trawler with stern  
chute for net

Contents as per title.

FAO: M

Anonymous (1958) 584451  
Comm.Fish.Rev., 20(8):78-9  
Somalia - Tuna fishery and industry

Contents as per title.

FAO: M

Anonymous (1958) 584449  
Comm.Fish.Rev., 20(8):78  
Portugal - Fisheries trends, January-  
March, 1958

FAO: M

Anonymous (1958) 584452  
Comm.Fish.Rev., 20(8):79  
Spain - Vigo fisheries trends  
April 1958

FAO: M

<p>Anonymous (1958) 584453  <u>Comm.Fish.Rev.</u>, 20(8):79-80          Surinam - Fishing industry, 1957</p> <p>FAO: M</p>	<p>Anonymous (1958) 584456  <u>Comm.Fish.Rev.</u>, 20(8):82          Union of South Africa - South and South-west Africa pilchard-maasbanker industry, 1957</p> <p>Contents as per title.</p> <p>FAO: M</p>
<p>Anonymous (1958) 584454  <u>Comm.Fish.Rev.</u>, 20(8):80-1          Sweden - Fishermen's earnings on west coast vary with vessel size</p> <p>Contents as per title.</p> <p>FAO: M</p>	<p>Anonymous (1958) 584457  <u>Comm.Fish.Rev.</u>, 20(8):82          Union of South Africa - Pilchard-maasbanker industry, January-February, 1958</p> <p>Contents as per title.</p> <p>FAO: M</p>
<p>Anonymous (1958) 584455  <u>Comm.Fish.Rev.</u>, 20(8):81          Sweden - Review of the fisheries, 1957</p> <p>FAO: M</p>	<p>Anonymous (1958) 584458  <u>Comm.Fish.Rev.</u>, 20(8):83          Union of South Africa - Trawler fishery lands record catch in 1957</p> <p>Contents as per title.</p> <p>FAO: M</p>

Anonymous (1958) 584459  
Comm.Fish.Rev., 20(8):83  
U.S.S.R. - Fisheries programs extensive  
FAO biologist reports

FAO: M

Anonymous (1958) 584462  
Comm.Fish.Rev., 20(8):88-91  
Department of the Interior - Whaling  
regulations

FAO: M

Anonymous (1958) 584460  
Comm.Fish.Rev., 20(8):84-5  
United Kingdom - Fishing industry  
urges Government to conduct trawl  
efficiency studies

Contents as per title.

FAO: M

Anonymous (1958) 584463  
Comm.Fish.Rev., 20(8):110-1  
Department of State - United States  
repeats protest of Russian claim that  
Poter the Great Bay is internal waters

FAO: M

Anonymous (1958) 584461  
Comm.Fish.Rev., 20(8):86  
Yugoslavia - Marine fishing industry,  
1957

Contents as per title.

FAO: M

Anonymous (1958) 584464  
Comm.Fish.Rev., 20(8):112-6  
White House - Pacific halibut fishery  
regulations for 1958 approved by the  
United States

FAO: M

Anonymous (1958) 584465  
Comm.Fish.Rev., 20(8):47  
 Pacific oceanic fishery investigations -  
Tilapia propagation as a live-bait fish  
 Contents as per title.

Delaware Commission of Shell Fisheries 584468  
 (1957)  
State House Annex, Dover, Delaware, 7 p.  
 Annual report for the fiscal year  
 July 1, 1956 to June 30, 1957

An annual report of the Delaware  
 Commission of Shell Fisheries describing  
 its activities in Delaware Bay, &  
 Rehoboth Bay. Also incl. a report of the  
 Commission's appropriations &  
 disbursements during the fiscal year  
 beginning July 1, 1956, & ending June 30,  
 1957.

FAO: MF

glk MF

Knake, B.O. (1958) 584466  
Fish.Leafl., Wash., (445):19 p.  
 Operation of North Atlantic type otter  
 trawl gear

Describes & illustrates in detail the  
 method of side-trawl fishing. Each  
 step is given in the procedure of  
 setting the net, "shooting" the trawl,  
 hauling the net, & landing the catch.  
 Also contains a list of available  
 publications on fishing gear.

FAO:glk M

International Fisheries 584469  
 Convention (1958)  
Off. of the Permanent Commission, London,  
 34 p.  
Report by the President on the Sixth  
Meeting of the Permanent Commission of  
1946. En Fr

A complete report of the sixth Meeting  
 of the Permanent Commission which was  
 held in London during October 1957.

glk M

Samson, V.J. (1958) 584467  
Market News Serv.Post Office Bldg.,  
San Pedro, California, 43 p.  
 California fisheries trends and review  
 for 1957

A review of the 1957 trends &  
 conditions in the California fisheries,  
 incl. a résumé of American Tuna Boat  
 Association tuna auction sales.

glk M

Italy. Istituto Centrale di 584470  
 Statistica (1957)  
Rome, 131 p.  
 Statistica della pesca e della caccia,  
 1957 (Fishing and hunting statistics,  
 1957)

M

Fuqua, C.L. (1958) 584471  
Off. of the Economic Coordinator Korea,  
Branch of Fisheries, Seoul, S.Korea, 23p  
A report on the development of the  
fresh water fisheries of South Korea

Information on the spp. of fresh-water  
fish; the carp fishery & the possibility  
of producing about 220 million pounds  
of carp annually; fish production in  
water impoundments; the salmon fishery;  
trout; eels & other spp.; & tilapia.  
Fish culture & management, research &  
education, construction of new  
hatcheries & related subjects are also  
discussed.

:glk

F

Moffett, J.W. (1958) 584474  
Mich.Conserv., 27(3):21-7  
Attack on the sea lamprey

Describes the use & effectiveness of  
various mechanical & chemical devices  
to control the sea lamprey of the  
Great Lakes. Briefly covers the  
problems of reestablishing the depleted  
lake trout populations of the upper  
Great Lakes.

:glk

MF

Holthuis, L.B. (1958) 584472  
Quart.Bull.S.Pacif.Comm., 8(2):36-9  
Freshwater crayfish in Netherlands New  
Guinea mountains

Reports on the fresh-water crayfish  
resources of the Wissel lakes region of  
Netherlands New Guinea. The article is  
especially timely since the South  
Pacific Commission has begun to explore  
the possibilities of introducing new  
spp. of edible pond fish to this area.

:glk

F

Anonymous (1958) 584475  
Food Manuf., 33(1):90  
Bright future for seaweed

Discusses the encouraging prospects  
of the seaweed industry as a result of  
the high mineral & vitamin content of  
seaweed. Reports on a new seaweed meal  
being produced in Norway which has  
provided beneficial results in use as  
an animal food supplement - especially  
in feeding experiments with dairy  
cattle & sheep.

:glk

M

Portugal. Comissão Central 584473  
de Pescarias (1957)  
Ministério da Marinha, Lisboa, 133 p.  
Estatística das pescas marítimas no  
continente e ilhas adjacentes no ano  
1955 (Marine fisheries statistics of  
the mainland and adjacent islands, 1955)

Covers fisheries production by districts,  
spp., & methods of catch; catch of  
marine mammals; vessels & gear, & number  
of fishermen.

:glk

M

Portugal, Gremio dos Armadores 584476  
da Pesca da Balçoa (1958)  
Lisbon, 35-p.  
Relatorio e contas do exercicio de  
1957 e orçamento para 1958  
(Report of operations in 1957 and  
budget for 1958)

M

Joyce, J.A. (1958)  
Discovery, 19:462-3  
The law of the sea

584477

Commentary on U.N. Conference in  
Geneva, 1958, on this subject.

FAO:glk

M

Gilmour, A.B. (1958)  
N.Z.J.Sci., 1:391-401

584480

The suspended plummet method for  
density measurements

An apparatus is described for  
measuring densities by a suspended  
plummet method. Applied to sea water,  
the densities of samples can be  
determined with an accuracy of  
 $2 \times 10^{-5} \text{ g.ml.}^{-1}$  at the rate of sixty  
per day.

FAO:glk

M

Cloudsley-Thompson, J.L. (1958) 584478  
Discovery, 19:468-9  
London: XVth International Congress of  
Zoology

Notes on this Congress.

FAO:glk

MF

Skorman, T.M. (1958)  
N.Z.J.Sci., 1:402-11

584481

Rates of growth in two species of  
Lepas (Cirripedia)

Rates of adult growth after settlement  
are outlined for 2 spp., Lepas anatifera  
L. var. tostudinata Aur., & L. australis  
Darwin, populations of which  
colonized floating beacons used in  
coastal hydrographic surveys.

FAO:glk

M

Skorman, T.M. (1958) 584479  
N.Z.J.Sci., 1:383-90  
Notes on settlement in Lepas barnacles

Results of examination of a large  
number of adult populations of Lepas  
anatifera L. & L. australis Darwin  
with reference to influence of  
illumination, presence of other  
individuals (gregarious tendency) & to  
rugophilic behaviour; the importance  
of these reactions is discussed.

FAO:glk

M

Cassio, R. Morrison (1958)  
N.Z.J.Sci., 1:436-48

584482

Apparatus for investigating spatial  
distribution of plankton

The apparatus described is designed  
to study the "meso-distribution" of  
marine plankton, & its relationship to  
the variable physical properties of  
sea water. "Meso-distribution" is  
defined as the spatial pattern which  
can be detected by horizontal sampling  
intervals not less than one metre & not  
greater than 100 metres.

FAO:glk

M

Goncharov, V.P. (1958) 584483  
C.R.Acad.Sci.U.R.S.S., 121:830-3  
 Novye dannye o reliefe dna Chernogo moria (New data on the relief of the Black Sea bottom)

Description of the sea-bottom relief, registered by sonic depth finders during an expedition of the Academy of Sciences research ship VAVILOV in 1956-57.

FAO:go

M

Zotin, A.I. (1958) 584486  
C.R.Acad.Sci.U.R.S.S., 121:948-51  
 Skorost obnovleniia vody u zarodyshoi osotra (Acipensor güldenstädti colchicus v. Marti) (Rate of water renewal in embryos of Acipensor güldenstädti colchicus v. Marti)

Describes tests carried out in the lower course of the Don on sturgeon eggs at different stages of development, by applying marked water, D<sub>2</sub>O.

FAO:go

MF

Cheprakova, Iu.I. (1958) 584484  
C.R.Acad.Sci.U.R.S.S., 121:920-3  
 Stroenie i gistogenez glotochnykh zubov nekotorykh vidov karpovykh ryb (Structure and histogenesis of pharyngeal teeth of certain spp. of Cyprinidae)

Description of the development of dentition - pharyngeal teeth - on Carassius auratus L., Abramis brama L., Rutilus rutilus L., Cyprinus carpio L. & Barbus barbus L. from newly hatched to adult specimens.

FAO:go

MF

Neprochnov, Iu.P. (1958) 584487  
C.R.Acad.Sci.U.R.S.S., 121:1001-4  
 Rezultaty seismicheskikh issledovani na Chernom more v raione g. Anapy (Results of seismic research in the Anapa region of the Black Sea)

Description of work carried out by the Academy of Sciences Oceanological Institute on the Black Sea bottom; equipment, methods & results.

FAO:go

M

Detlaf, T.A. (1958) 584485  
C.R.Acad.Sci.U.R.S.S., 121:944-7  
 Znachenie ionov kaltsiia dlia stimuliatsii iaits i rasprostraneniia kortikalnoi reaktsii u osetrovnykh ryb (Importance of calcium ions for the stimulation of eggs & for the spreading of cortical reaction in Acipenseridae)

Description of tests carried out on Acipenser güldenstädti colchicus & A. stellatus eggs, to disclose the function of Ca in the process of activation, with regard to the time of stimulation of eggs by spermatozooids & the spreading of cortical reaction.

FAO:go

MF

Shuleikin, V.V. (1958) 584488  
C.R.Acad.Sci.U.R.S.S., 121:1005-8  
 Tochnyi integral uravneniia polia vetrovykh voln v okeane i ego fizicheskoe znachenie (Exact integral of the wind-waves field equation on the ocean and its physical meaning)

Examination of formulae & diagrams as per title.

FAO:go

M

Beklemishev, K.V. & V.S. 584489  
 Korotkevich (1958)  
C.R.Acad.Sci.U.R.S.S., 121:1009-11  
 Zooplankton Indiiskogo sektora  
 Antarktiki (Zooplankton of the  
 Indian ocean sector of the Antarctic)

Description of the route followed &  
 zooplankton collected by the Academy  
 of Sciences Antarctic Expedition between  
 January & April 1957. Gives data on  
 different spp., their distribution &  
 relation to water masses of different  
 origin, temperature & depth.

FAO:go

M

Tagoeva, N.V. (1958) 584492  
C.R.Acad.Sci.U.R.S.S., 121:1056-9  
 O geokhimii glinistyykh osadkov  
 Kaspiiskogo moria (Geochemistry of  
 clayey sediments of the Caspian sea)

Describes the mechanical & chemical  
 composition of samples collected at  
 4 to 58m below the sea bottom; besides  
 mineral particles, water contained in  
 their pores was also analysed.

FAO:go

M

Koblents-Mishko, O.I. (1958) 584490  
C.R.Acad.Sci.U.R.S.S., 121:1012-4  
 Rasprostraneniye nekotorykh form fito-  
 planktona v svyazi s osnovnymi  
 tekoniymi zapadnoi chasti Tikhogo  
 okeana (Distribution of certain  
 phytoplankton species in connection  
 with the main currents in the W.Pacific)

Description of the route followed by the  
 Academy of Sciences expedition between  
 July & September 1957. Data on phyto-  
 plankton spp. collected at depths from  
 0 to 100 m & their distribution in  
 relation to different ocean currents.

FAO:go

M

Bokkor, V.M. (1958) 584493  
C.R.Acad.Sci.U.R.S.S., 121:1086-9  
 Osobennosti vitellogenoz u samok  
 zolotogo karasia (Carassius carassius L.)  
 v usloviyakh povyshennoi plotnosti  
 nasloniia (Peculiar features of  
 vitellogenesis in female Carassius  
carassius L. in conditions of a high  
 population density)

Describes experiments carried out in  
 ponds with different densities of fish  
 population & tests for sexual maturity  
 throughout the growing season. Examines  
 effect of a strong increase of  
 population involving reduction of food  
 resources on ovicell development during

Glagoleva, M.A. (1958) 584491  
C.R.Acad.Sci.U.R.S.S., 121:1052-5  
 Formy migratsii elementov v rechnykh  
 vodakh (Forms of element migration  
 in river waters)

Examines 3 forms in which elements are  
 transported by river water: solutions -  
 both true & colloidal - fine suspended  
 matter & coarse bed load. Gives data on  
 load & composition of solutions  
 obtained by chemical & spectrum analysis.  
 Tests performed on water from the  
 rivers Don, Danube, Dniester, Pripiat,  
 Kuban, Rion. Chorokh.

FAO:go

F

584493  
 (Card 2)  
 the winter & uniformity of maturation  
 in the population.

FAO:go

F

Zotin, A.I. (1958) 584495  
C.R.Acad.Sci.U.R.S.S., 121:1105-8  
 Formont zatvordovaniia obolochok u iaits  
 lososovykh ryb (Formont, hardening  
 the external egg-membrane of Salmonidae)

Describes experiments carried out on  
 embryos of Salmo salar m. sobago & S.  
trutta m. lacustris to determine the  
 nature of the substance secreted by  
 Salmonidae eggs which produces the  
 hardening of their outer membrane.

FAO:go

MF

Birman, I.B. (1958) 584498  
C.R.Acad.Sci.U.R.S.S., 122:146-8  
 O rasprostraneni i nerostovykh  
 migratsiakh gorbushi (Oncorhynchus  
gorbuscha Walb.) v severo-zapadnoi chasti  
 Tikhogo okeana (Distribution &  
 spawning migrations of humpback salmon,  
Oncorhynchus gorbuscha Walb., in the  
 N.W. Pacific)

Describes the migration pattern of O.  
gorbuscha observed in June 1955 & 1957.  
 Disagrees with the opinion that there  
 are 2 distinct wintering grounds, south  
 of the W. Aleutians & S.E. of Hokkaido,  
 these being only parts of a single area,  
 having points of major concentrations.  
 FAO:go MF

Bolov, N.A. & N.N. Lapina (1958) 584496  
C.R.Acad.Sci.U.R.S.S., 122:115-8  
 Novye dannye o stratifikatsii donnykh  
 otlozhenii Arkticheskogo bassaina  
 severnogo ledovitogo okeana (New  
 data on the stratification of sediments  
 in the Arctic ocean)

Composition of an ocean bottom core  
 sample 412 cm long, collected north of  
 Spitzbergen.

FAO:go

M

Zambriborshch, F.S. (1958) 584499  
C.R.Acad.Sci.U.R.S.S., 122:149-51  
 Ob osobennostiakh stroeniia krovnosnoi  
 sistemy umbry (Umbra krameri Walbaum) v  
 svyazi s ispolzovaniem plavatel'nogo  
 puzyria kak dopolnitel'nogo organa  
 dykhanii (Peculiar structure of the  
 vascular system of Umbra krameri  
 Walbaum in relation to the use of the  
 air-bladder as an accessory respiratory  
 organ)

Describes experiments carried out at  
 the Odessa University studying breathing  
 possibilities & behaviour of Umbra  
krameri in different environments.  
 Examines blood circulation & use made

Letichovskii, M.A. (1958) 584497  
C.R.Acad.Sci.U.R.S.S., 122:131-3  
 K voprosu ob ozimyykh i iarovyykh rasakh  
 u bolorybitsy Stenodus leucichthys  
 (Güldenstädt) (Regarding the  
 question of winter-crop & summer-crop  
 varieties of Stenodus leucichthys G.)

Experiments on artificial breeding of  
S. leucichthys in connection with the  
 cutting off of their spawning grounds  
 by the Kuibyshev dam. Compares the  
 theory of 2 seasonal varieties.  
 Explains the migratory behaviour of  
 separate specimens by a long spawning  
 period peculiar to the sp.  
 FAO:go MF

584499  
 (Card 2)  
 of the air-bladder to balance oxygen  
 deficiency in water.

FAO:go

F

Ioganson, B.G. & al. (1958) 584501  
Izv.sib.Otd.Akad.Nauk SSSR, (6):116-25  
 Zoologicheskio issledovaniia v Zapadnoi  
 Sibiri za gody sovetskoi vlasti  
 (Zoological research in W. Siberia  
 during the Soviet regime)

Brief review of studies on the W.  
 Siberian fauna. With regard to fish,  
 these studies cover 35 spp. in the Ob  
 river basin, 29 in the Altai, 30 in  
 the forest belt, 28 spp. in the forest-  
 tundra zone. About 200 fish-parasites &  
 many aquatic invertebrates were also  
 studied.

FAO:go

MF

in connection with temperature,  
 light & wind.

584503  
 (Card 2)

FAO:go

F

Malkovich, T.A. (1958) 584502  
Izv.sib.Otd.Akad.Nauk SSSR, (6):126-36  
 Opyt sodorzhaniia kalanov v novalo  
 (Experience on keeping sea otters in  
 captivity)

Description of experimental studies of  
Enhydra lutris biology carried out on  
 specimens captured & kept on Modnyi  
 island - Commodore islands - in view of  
 the possibility to breed & re-stock  
 this animal & acclimatize it elsewhere.

FAO:go

M

Vozzhennikova, T.F. (1958) 584505  
Izv.sib.Otd.Akad.Nauk SSSR, (8):114-24  
 Vodorosli r. Katun i ee pritokov v  
 raione kurorta Chomal (Algae found  
 in the river Katun and its tributaries  
 in the region of the Chomal health-  
 resort)

Describes 175 spp. of algae, found in  
 water-courses of this region (Altai  
 mountains), at the altitude of 610 m.,  
 of which 18 spp. were discovered in  
 the intestines of local fish - Cottus  
pocilopus Heckel, Nomachilus barbatus  
toni Dybowski, Phoxinus phoxinus  
ujmonensis Kaschtschenko, Phoxinus

Romanova, A.P. (1958) 584503  
Izv.sib.Otd.Akad.Nauk SSSR, (7):114-23  
 Sezonnaia dinamika bakterioplanktona,  
 ego gorizontálnoo i vortikalnoo  
 rasprodelenie v iuzhnoi chasti Baikala  
 (Seasonal development of bacterio-  
 plankton, its horizontal & vortical  
 distribution in the southern part of  
 lake Baikal)

Describes the development & behaviour  
 of bacteria in relation to the fact  
 that they constitute a food reserve for  
 aquatic organisms & to their function  
 in the nitrogen cycle. States data on  
 quantities & distribution of bacteria

584505  
 (Card 2)  
czokanowskii Dybowski - & of Tondipodo  
 & Orthocladinae larvae.

FAO:go

F

FAO. Fisheries Division, 584507  
Economics & Statistics Branch (1958)  
Rome,  
Directory of institutions promoting  
fish consumption

Gives for each institution: address,  
officers, objectives, constitution,  
finance, activities, literature.

Fib:glk

MF

Wells, V. (1958) 584510  
Fish.Nows Lott.Aust., 17(8):27, 34  
Surveying Aust. pearling beds

Continuation of account given in  
previous articles under this title of  
field operations. (582331, 582338,  
583163).

GLK:glk

M

International Pacific Salmon 584508  
Fisheries Commission (1958)  
New Westminster, Canada, 44 p.  
Annual report 1957

Report of the Commission's meetings,  
recommendations for regulations  
governing the fisheries in 1957,  
account of the condition of the  
fisheries in this year, with statistics  
of catch & escapement. Also prints a  
consolidation of the Sockeye Salmon  
Fisheries Convention & the "Pink Salmon  
Protocol".

GLK:glk

MF

Longuet-Higgins, M.S. (1958) 584511  
Nature, Lond., 182:967-8  
Contributions to the theory of water  
waves

A review of 581909.

GLK:wad

MF

Sutherland, D.F. (1958) 584509  
Spec.sci.Rep.U.S.Fish Wildl.Serv., (244)  
9 p.  
Use of diagnostic X-ray for determining  
vertebral numbers of fish

Diagnostic X-ray equipment & supplies  
are described & methods given for  
resolving vertebral centra of menhaden.

WAD:ofa

M

Yonge, C.M. (1958) 584512  
Nature, Lond., 182:996-8  
Form and function in the mollusca

A review of the papers on "Aspects of  
the Evolution of Form and Function in  
Molluscs", presented at the meetings  
of the British Association in Glasgow.

GLK:wad

MF

Lukton, A. (1958) 584513  
Nature, Lond., 182:1019-20  
 Effect of diet on imidazole compounds  
 and creatine in chinook salmon

Describes analysis of skeletal muscles  
 of histidine-, methionine- & choline-  
 deficient Oncorhynchus tshawytscha.

GLK:wad

F

Sievers, R.H. (1958) 584516  
Wat. & Sewage Wks, 105:70-1  
 Saline water treatment

Discusses the effect of improved  
 methods for demineralization of sea  
 water on planning of seaboard water  
 supplies in America.

:tl

MF

Daves, B. & I. Griffiths (1958) 584514  
Nature, Lond., 182:1033-4  
 The enigmatical trematode Dictyocotyle  
coeliaca

A review of a "taxonomic tangle"  
 concerning an organism found in Rain  
 & now believed by the authors to be a  
 coelomic form of Calicotyle.

GLK:wad

M

Fox, D.L. & D.F. Corcoran (1958) 584517  
Corrosion, 14:131t-2t  
 Thermal and osmotic counter-measures  
 against some typical marine fouling  
 organisms

Studies were made to determine the  
 tolerance of mussels of the genus  
Mytilus to immersion in fresh water at  
 air temperature & in sea water at  
 higher temperatures.

:wad

M

Oohmcke, A.A. & al. (1958) 584515  
Publ. Wis. Conserv. Dep., (225):12 p.  
 The Wisconsin muskellunge, its life  
 history, ecology and management

Reviews, for Esox masquinongy immacula-  
tis Mitchell, its classification,  
 distribution in Wisconsin, morphology,  
 habits & habitat, reproduction, growth,  
 population size, ecology, angling,  
 economic value & management.

WAD:wad

F

Knöpp, H. (1957) 584518  
Dtsch. Gewässerkund. Mitt., 1:56-63  
 The present biological classification  
 of the Rhine between Basle and  
 Immorich

The results of recent biological  
 investigations on the German stretch of  
 the Rhine show that biological  
 indicators of unpolluted & slightly  
 polluted water decrease vary greatly  
 between Constance & Immorich &  
 indicators of heavily & excessively  
 polluted water increase.

:tl

F

Rao, S.V.S. (1957) 584519  
Proc.Indian Acad.Sci., 45B:77-85  
 Preliminary observations on the total phosphorus content of the inshore waters of the Malabar coast off Calicut

The concentration of total phosphorus in the inshore waters of the Malabar coast, India, was found to be relatively high, ranging from 0.44 to 9.46  $\mu$ g atom per litre. Only 8-37 per cent of the phosphorus was in the soluble inorganic form, & the remainder was in bound & organic forms.

:tl

M

Lüdomann, D. (1957) 584522  
Z.angew.Zool., 44:97-102  
 The effect of the dyestuff "Luxanthol-schwarz G" on fish. A contribution to the harmfulness of coloured waste waters

F

U.K. Department of Scientific & Industrial Research (1958) 584520  
H.M.Stationery Off., London, 104 p.  
 Report of the Water Pollution Board with the report of the Director of the Water Pollution Research Laboratory for the year 1957

Survey of the Thames estuary; oxygen balance in surface waters; effects of pollution on fish; sewage; industrial waste waters.

:tl

F

Ruf, M. (1957) 584523  
Gas-u.Wasserfach, 98:1249-51  
 The behaviour of radioactive substances in surface waters. I. Control investigations at the research reactor at Munich

Describes the results of investigations into the condition of the Garching Mühlbach & the river Isar before & after the construction of the Munich experimental reactor. Radioactivity in fish was investigated.

:wad

F

Boic, H.J. & J.C. Hofmann (1957) 584521  
Korresp.Abwass., 1957, June, 9  
 Main points concerning sewage and sewage treatment. Measures on death and disease of fish in flowing waters and ponds

Sewage, sewage treatment, & the effect of sewage pollution on rivers especially for the use of persons engaged in fishing as an industry or as sport.

:tl

F

Anonymous (1957) 584524  
Water Wks Engng, 110:1011  
 Using reservoirs for recreation

In a panel discussion of the American Water Works Association a list of criteria, to be considered when acquiring land for reservoirs, is given. The use of reservoirs for recreation is discouraged when the raw water needs little treatment.

:wad

F

<p>Davis, D.S. (1957) 584525  <u>Wat. &amp; Sewage Wks</u>, 104:478  Solubility of oxygen in water</p> <p>A monograph &amp; equation for calculating the solubility of atmospheric oxygen in water, at temperatures between 0°C &amp; 35°C, are given.</p>	<p>Cornwall River Board (1957) 584528  26 p.  Seventh annual report for the financial year ended 31st March, 1957</p> <p>Information is given on water resources, land drainage, fisheries, &amp; the prevention of river pollution.</p>
<p>:wad F</p>	<p>:wad F</p>
<p>Lassleben, P. (1957) 584526  <u>Naturwissenschaften</u>, 44:556  Surface tension of water in natural stagnant and flowing waters</p> <p>Describes the formation &amp; appearance of "light water" on the surface of natural waters.</p>	<p>Forth River Purification Board (1957) 584529  32 p.  Second annual report for the year ending 15th May, 1957</p> <p>Information is given on water resources, fisheries &amp; the prevention of pollution.</p>
<p>:wad F</p>	<p>:wad F</p>
<p>Bristol Avon River Board (1957) 584527  26 p.  Seventh statutory annual report for the year ended 31st March, 1957</p> <p>Incl. information on water resources, land drainage, fisheries, &amp; the prevention of river pollution.</p>	<p>Lincolnshire River Board (1957) 584530  64 p.  Sixth annual report for the year ended 31st March, 1957</p> <p>Incl. information on water resources, land drainage, fisheries, &amp; the prevention of river pollution.</p>
<p>:wad F</p>	<p>:wad F</p>

Solway River Purification Board (1957) 584531  
22 p.  
Third annual report for the year ended 15th May, 1957

Information is given on water resources, fisheries, & the prevention of pollution.

:wad

F

Wear and Tees River Board (1957) 584534  
78 p.

Seventh annual report for the year ended 31st March, 1957

Information is given on water resources, land drainage, fisheries, & the prevention of river pollution.

:wad

F

The Somerset River Board (1957) 584532  
66 p.  
Seventh annual report and statement of the accounts, 1st April 1956 to 31st March 1957

Incl. information on rainfall & river gauging, fisheries, & the prevention of river pollution.

:wad

F

Wolland River Board (1957) 584535  
20 p.  
Annual report for the year ended 31st March, 1957

Incl. information on water resources, land drainage, fisheries, & the prevention of river pollution.

:wad

F

The South West Wales River Board (1957) 584533  
54 p.  
Sixth statutory annual report for the year ended 31st March 1957

Information is given on water resources, land drainage, fisheries, & the prevention of river pollution.

:wad

F

West Sussex River Board (1957) 584536  
26 p.  
Annual report for the year ended 31st March, 1957

Information is given on water resources, land drainage, fisheries, & the prevention of river pollution.

:wad

F

Wye River Board (1957) 584537  
28 p.  
Fifth annual report for the year  
ended 31st March, 1957

Incl. information on water resources,  
land drainage, fisheries, & the  
prevention of river pollution.

swad

F

Straub, G.P. (1957) 584540  
Proc.Amer.Soc.civ.Engrs, 83,SA3(1275):  
13 p.

Recent developments in the treatment of  
atomic wastes

Reviews methods which have been  
developed for the treatment & disposal  
of radioactive waste waters of low-  
level, intermediate, & high-level  
activity. A bibliography of 39  
references is appended.

atl

F

Lüdmann, D. (1957) 584538  
Korrosp.Abwasser, April, 1-9  
The influence of industrial and  
domestic waste waters on biological  
processes in streams

Discusses the importance of fish as  
indicators of pollution & describes  
the effect on the fish population & on  
individual fish of poisons even in  
dilutions below the limit of toxicity  
& of different kinds of mechanical  
chemical pollution.

swad

F

Tsivoglou, D.C., M.D. Harvard 584541  
& W.M. Ingram (1957)  
J.Amer.Wat.Wks Ass., 49:750-66  
Stream surveys for radioactive waste  
control

Discusses the organization & planning  
of stream surveys for radioactive  
contamination, indicating the  
equipment needed, & describing methods  
of sampling water, aquatic biota, &  
bottom mud.

swad

F

Barthol, J. (1957) 584539  
Bull.Cont.bolg.Etud.Document.Eaux, (35)  
44-8  
The pollution of our rivers

Discusses the pollution of rivers in  
Luxembourg.

swad

F

von Raben, K. (1957) 584542  
Wasserwirtschaft, Stuttgart, 47:97-100  
The problem of damage to fish by  
turbines

Discusses the conditions in which fish  
passing through turbines can be  
damaged and gives relevant calculations  
for design & operation of plant.

atl

F

Alfimov, N.N. (1957) 584543  
Hyg. & Sanit., Moscow, 22(1):25-9  
Comparative evaluation of some  
indicators of sea water pollution

Considers that the most sensitive test  
for pollution of sea water is the 5-day  
B.O.D. Oxygen absorbed from neutral  
permanganate can also be used. The  
concentrations of ammonia & nitrite are  
not satisfactory indices of pollution,  
as they may be consumed by organisms in  
the water.

:tl

F

Downing, A.L. & K.V. 584546  
Melbourne (1957)  
J. Instn Wat. Engrs, 11:438-42  
Chemical conservation of water

Describes experiments therefore made  
to determine the effect of cetyl  
alcohol on the uptake of oxygen in tap  
water & in natural waters.

:wad

F

Riddick, T.M. (1957) 584544  
Wat. & Sewage Wks, 104:231-7  
Forced circulation of reservoir waters

Describes a method of increasing  
alkalinity by means of a floating  
aerator which introduced milk of lime  
& compressed air into a reservoir.  
Describes physical, chemical & biological  
changes incl. an increase in numbers  
of crustacea.

:wad

F

Boon, A.G. & A.L. Downing (1957) 584547  
J. Instn Wat. Engrs, 11:443-8  
Observations on the use of cetyl  
alcohol for conservation of water

Experiments to determine the effect on  
the efficiency of cetyl alcohol for  
reducing evaporation in reservoirs, of  
the susceptibility of cetyl alcohol to  
biochemical oxidation & of the presence  
of surface contamination of natural  
origin.

:wad

F

Grundy, F. (1957) 584545  
J. Instn Wat. Engrs, 11:429-37  
The use of cetyl alcohol to reduce  
reservoir evaporation

Reviews briefly developments in the use  
of cetyl alcohol for controlling  
evaporation from water reservoirs, &  
describes experiments being carried out  
by the East African Meteorological  
Department.

:wad

F

Dwivedi, S.N. (1957) 584548  
Indian Eng, 7(5):29-30  
Better grow singharas in fish ponds

A note on the advantages of the  
practice in tanks as observed in the  
Raisen district of Madhya Pradesh,  
India, providing shelter, manure & food,  
& helping control of submerged weeds.  
Need to restrict the growth to three  
quarters of the water surface stressed.

FAO tjj

F

Low, E.M. (1958) 584549  
Nature, Lond., 182:1096  
 Composition of the nucleic acids of  
 some algae

Describes studies on Navicula, Nitzschia,  
Cylindrotheca, Anacystis & Chlorella.

Mansfield, A.W. (1958) 584552  
Sci.Rep.Falkland Ids Depend.Surv., (18):  
 41 p.  
 The breeding behaviour and reproductive  
 cycle of the waddell seal (Loptonychotes  
waddelli Losson)

GLK:wad

MF

M

Shaw, J. (1958) 584550  
Nature, Lond., 182:1105-6  
 Sodium uptake by the crayfish

Describes studies on the mechanism of  
 the regulation of sodium intake in  
Astacus pallipes.

Harry, H.W., B.G. Cumbie & J.M.d. Jesus (1957) 584553  
Amer.J.trop.Med.Hyg., 6:313-22  
 Study on the quality of fresh waters of  
 Puerto Rico relative to the occurrence  
 of Australorbis glabratus

Analyses were made of fresh waters in  
 Puerto Rico, in an attempt to relate  
 certain environmental factors to the  
 natural habitat of Australorbis  
glabratus. The results are given &  
 discussed.

GLK:wad

F

:wad

F

Wells, G.P. (1958) 584551  
Nature, Lond., 182:1107  
 Movements of lugworms

A discussion of movements in Arenicola  
 prompted by Chapman, G. (582655).

Grim, J. (1957) 584554  
Gas- u. Wasserfach, 98:234-8  
 Processes in natural and artificial  
 lakes of importance in the construction  
 and operation of impounding reservoirs  
 for water supply

Describes the processes taking place in  
 natural lakes & the differences between  
 natural lakes & impounding reservoirs.  
 The processes of ageing & the develop-  
 ment & condition of oligotrophic,  
 eutrophic, & polytrophic types of lakes,  
 the horizontal & vertical movement of  
 the water, & the effects of wind & sun,  
 & of pollution are discussed.

GLK:wad

M

wad

F

U.S. Federation of Sewage 584555  
& Industrial Wastes Association (1957)  
Sewage industr. Wastes, 29:497-523,  
613-53, & 727-56  
A review of the literature of 1956 on  
sewage, waste treatment, and water  
pollution

Contents as per title.

Pavlovsky, M.N. (1957) 584558  
C.R.Acad.Sci.U.R.S.S. (Transl.) (Biol.),  
117(1-6):960-3  
On the influence of environmental  
conditions on gonad development and  
spawning intensity in the goldfish  
(Carassius auratus L.)

English translation of 581335.

swad

F

FAO

F

Shmalgauzon, I.I. (1957) 584556  
C.R.Acad.Sci.U.R.S.S. (Transl.) (Biol.),  
116(1-6):838-41  
Cortical cytoplasmic granules and  
substances excreted from the animal  
pole during activation of sturgeon ova

English translation of 581341.

Pavlovsky, M.N. (1957) 584559  
C.R.Acad.Sci.U.R.S.S. (Transl.) (Biol.),  
117(1-6):1007-10  
The vertical plankton distribution in  
the area southeast of the Boninski  
islands

English translation of 580938.

FAO:

MF

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M

Pavlovsky, M.N. (1957) 584557  
C.R.Acad.Sci.U.R.S.S. (Transl.) (Biol.),  
116(1-6):937-8  
On broom-roach hybrids (Abramis brama  
danubii Pavlov and Rutilus rutilus  
Linné) from the Kitai estuary

English translation of 581344.

Pavlovsky, M.N. (1957) 584560  
C.R.Acad.Sci.U.R.S.S. (Transl.) (Biol.),  
117(1-6):1011-4  
Zooplankton dynamics in lakes and  
reservoirs

English translation of 582919.

FAO:

MF

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F

Pavlovsky, B.N. (1957) 584561  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
117(1-6):1065-8

Adaptation of Black Sea anemones to  
increased salt concentration

English translation of 580937.

FAO:

M

Svotovidov, A.N. (1957) 584564  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
117(1-6):1084-7

On the Black Sea species of the genus  
*Scorpaena*

English translation of 581336.

FAO:

M

Grigoryov, A.A. (1957) 584562  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
117(1-6):1069-72

Brooding places of the fur seal  
(*Callorhinus ursinus*) and areas in-  
habited by the sea otter (*Enhydra*  
*lutris*) in the Kuriles & a tentative  
estimation of their numbers

English translation of 581346.

FAO:

M

Allen, J.K. (1957) 584565  
Pacif.Discov., 10(4):4-9  
The great fishing-place

Popular ill. account of the effect of  
the Dalles dam on the Indian &  
commercial fishery for salmon at the  
east end of the Columbia R. gorge.

FiB.sjh

MF

Grigoryov, A.A. (1957) 584563  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
117(1-6):1072-5

Enumeration of the breeding places of  
the sea lion (*Eumetopias jubatus*) in  
the Kuriles and a tentative estimate of  
its numbers

English translation of 582920.

FAO:

M

U.V.Ministry of Agriculture 584566  
Fisheries & Food (1957)  
Fish.Lab., Lovestoft, 13 p.

Fish - Finding experiment at salmon  
fishing ground in the North Pacific

English translation of original  
article by Hashimoto, T. & Y. Maniwa,  
1956, Tech.Rep.Fish.Boat, (8):131-50.

FiB:

M

Richman, S. (1958) 584567  
Ecol.Monogr., 28:273-91  
The transformation of energy by  
Daphnia pulex

The calorific value of Chlamydomonas reinhardi, was determined, & the filtration rate of Daphnia pulex was measured at 20°C at various pressures & food concentrations. Oxygen consumption & carbon dioxide production were measured, length-weight relation, growth & reproductive rate of Daphnia were determined & energy budgets prepared.

GLK:glk

F

Klausewitz, W. (1957) 584570  
Bull.aquat.Biol., 1(1):1-4  
Anisochaetodon (Linophora) pictus  
Forskäl eine gute Art der Borstenzähler  
(Piscus, Chaetodontidae) (A genuine  
species of bristle-toothed fish,  
Anisochaetodon, Linophora, pictus  
Forskäl - Pisces, Chaetodontidae -).  
En Fr

Description of young stages  
distinguishable from those of A.  
vagabundus, with discussion of system-  
atics & distribution.

FAO:tjj

MF

Puri, G.S. & S.D. Mahajan (1958) 584568  
Proc.nat.Inst.Sci.India, 24B:159-64  
The vegetation of marshes and swamps  
in the Poona district

Describes community data & soil &  
water conditions of the vegetation in  
7 swamps & marshes with reference to  
Typha, Asteracantha, Caesulia, Cyperus,  
Fimbristylis, Eleocharis, Andropogon,  
Heteropogon & Ipomea.

FAO:tjj

F

Wickler, W. (1957) 584571  
Bull.aquat.Biol., 1(2):13-5  
Das Kampfverhalten von Nannostomus  
beckfordi aripirangensis (Pisces -  
Cypriniformes - Erythrinidae)  
(Fighting in Nannostomus beckeferdi  
aripirangensis - Pisces, Cypriniformes,  
Erythrinidae). En

In addition to the normal fish fight,  
a special "tail-up-fight"; & its  
physiology are discussed.

FAO:tjj

F

Littlejohn, M.J. (1958) 584569  
Proc.Linn.Soc.N.S.W., 83(387)222-6  
A new species of frog of the genus  
Crinia Tschudi from South-eastern  
Australia

Differences in male call, breeding  
behaviour, in vitro crossing &  
morphological data confirm the status  
of a new form with respect to 2 closely  
related sympatric spp., C. signifera &  
C. parinsignifera. The new sp. is  
grouped with the C. insignifera  
supersp.

GLK:hr

F

Hoedeman, J.J. (1957) 584572  
Bull.aquat.Biol., 1(2):15-9  
The status of the Callichthyid genus  
Cascadura Ellis, 1913 (Pisces - Siluri-  
formes - Callichthyidae). Fr De

Compares morphology with that of  
Hoplosternum.

FAO:tjj

F

Hoedeman, J.J. (1958) 584573  
Bull.aquat.Biol., 1(3):23-8  
The frontal scalation pattern in some groups of toothcarps (Pisces - Cyprinodontiformes)

Comparative study of the patterns in spp. of Rivulus, Pterolebias, Cynolebias, Rachovia, Austrofundulus, Aphyosemion, Aplocheilichthys & other Cyprinodonts.

FAO:tjj

F

Bravo Hollis, M. (1957) 584576  
An.Inst.Biol.Univ.Mex., 28(1-2):195-216  
Trematodos de peces marinos de aguas mexicanas. XIV. Cuatro monogeneos de la familia Capsalidae Baird, 1853, de las costas del Pacifico, incluyendo una especie nueva (Trematodes of marine fishes of the Mexican waters. XIV. Four monogenea of the family Capsalidae Baird, 1853, of the Pacific coast, including a new species)

Descriptions & illustrations of Benedenia adeneia, from Mycteroperca sp., B. girellae from Girella nigricans, Trochopus pseudomarginatus & Uncotyllabes pagrosomi.

FAO:hr

M

Winter, H.A. (1957) 584574  
An.Inst.Biol.Univ.Mex., 28(1-2):175-94  
Trematodos de peces marinos de aguas mexicanas. XIII. Cuatro digeneos de peces del Oceano Pacifico, dos de ellos nuevas especies de la familia Cryptogonimidae Ciurea, 1933 (Trematodes of marine fishes of Mexican waters. XIII. Four digenea of fishes of the Pacific Ocean, two of them new species of the family Cryptogonimidae Ciurea, 1933). En

Descriptions & figures of 4 spp.: Lintonium vibex from the intestine of Sphaeroides lobatus; Phyllodistomum carangis from the coelom of Citula dorsalis;

Caballero, M.C. & R.R. 584577  
Brenes M. (1957)  
An.Inst.Biol.Univ.Mex., 28(1-2):217-40  
Helminths de la republica de Costa Rica. VI. Algunos trematodos de peces, reptiles y mamiferos (Helminths of the Republic of Costa Rica. VI. Some trematodes of fishes, reptiles and mammals)

Redescriptions & illustrations of spp. of trematodes & description of the new sp. Ochoterenatroma costarricensis. Hosts & geographical distribution are listed.

FAO:hr

M

584574  
(Card 2)  
dorsalis; Neochasmus magnus from the digestive caeca of Lutjanus colorado; & Metadena lopastoma from the intestine of Hoplopagrus guntheri.

Rioja, M. (1957) 584578  
An.Inst.Biol.Univ.Mex., 28(1-2):247-66  
Estudios anelidologicos. XXI. Observaciones acerca de algunas especies de serpulidos de los generos Hydroides y Eupomatus de las costas mexicanas del golfo de Mexico (Annelidologic studies. XXI. Observations on some spp. of Serpulids of the genera Hydroides & Eupomatus of the Mexican coasts of the Gulf of Mexico)

Ill. taxonomic descriptions of the spp.

FAO:hr

M

FAO:hr

M

Villalobos, A. (1957) 584579  
A.Inst.Biol.Univ.Mex., 28(1-2):279-88  
 Estudios de los camarinos mexicanos.  
 XIII. Descripción de una nueva especie  
 de camarino del estado de Veracruz  
 (Crustacea, Decapoda) (Study of the  
 Mexican Cambarins. XIII. Description of  
 a new species of Cambarin of the State  
 of Veracruz - Crustacea, Decapoda)

III. taxonomic description of  
Procambarus gonopodocristatus.

FAO:hr

F

Saiz, F. (1958) 584582  
Industr.pesq., 32(745-746):40-2  
 Eliminación del agua dulce en la ria  
 de Vigo (Elimination of fresh water  
 in the estuary of Vigo)

A mathematical calculation of  
 variations of fresh water in the  
 estuary.

FAO:hr

MF

Caso, M.E. (1957) 584580  
An.Inst.Biol.Univ.Mex., 28(1-2):309-38  
 Contribucion al conocimiento de los  
 Holoturoideos de Mexico. III. Algunas  
 especies de Holoturoideos litorales de  
 la costa Pacifica mexicana  
 (Contribution to the knowledge of  
 Holothurids of Mexico. III. Some spp.  
 of littoral Holothuroids of the Pacific  
 Mexican coast)

III. taxonomic descriptions of a  
 number of spp.

FAO:hr

M

Andreu, B. (1958) 584583  
Industr.pesq., 32(745-746):44-7  
 Sobre el cultivo del mejillon en  
 Galicia. Biología, crecimiento y  
 producción (On the culture of the  
 edible mussel in Galicia. Biology,  
 growth and production)

A popular article on biological  
 characteristics, culture, commercial  
 production & growth.

FAO:hr

MF

Howell Rivero, L. (1958) 584581  
Mar y Pesca, 2(2):29-30  
 Symposium sobre recursos naturales  
 (Symposium on natural resources)

A note on the symposium with special  
 reference to the contributions &  
 recommendations of the Committee on  
 Resources of the Sea.

HR:hr

M

Muñoz Sardon, F. (1958) 584584  
Industr.pesq., 32(745-746):49-51  
 El fitoplancton (The phytoplankton)

A popular article on methods of study  
 incl. also comparative data of phyto-  
 plankton of the Gulf of Cadiz &  
 English Channel.

FAO:hr

M

Anadon, E. (1958) 584585  
Industr.pesq., 32(745-746):58-61  
 Las corrientes marinas en la ria de  
 Vigo (The marine currents of the  
 estuary of Vigo)

A popular article on different types of  
 currents.

FAO-hr

MF

Drinnan, R.L. (1958) 584588  
Fish.Invest., Lond., 22(4):15 p.  
 The winter feeding of the oyster-  
 catcher (Haematopus ostralegus) on the  
 edible mussel (Mytilus edulis) in the  
 Conway Estuary, North Wales

Account of study to provide information  
 on estimation of oystercatcher predation  
 on mussel bearing area.

FAO.ofa

MF

Lopez Bonito, M. (1958) 584586  
Industr.pesq., 32(745-746):68-70  
 Estudio hidrografico en la onsonada de  
 San Simon ((Hydrographical studies  
 of the cove of San Simon)

A popular study of the hydrographic  
 characteristics covering salinity,  
 temperature, tides & the effect of rain  
 & winds.

FAO hr

MF

Fridriksson, A. (Ed.) (1958) 584589  
Statist.Nows Lett.Consult.Explorator, (2) 27 p.  
 Herring - North Sea 1956

Tables giving total quantity landed by  
 countries, gear, months & small areas -  
 rectangles.

FiB:ofa

M

Tungato, D.S. (1958) 584587  
Fish.Invest., Lond., 22(2):17 p.  
 Echo-sounder surveys in the autumn of  
 1956

Brief account of echo surveys for  
 herring by R.V. PLATISSA on East  
 Anglian Grounds with charts of  
 surveyed areas showing echo patches &  
 their movement.

FAO:ofa

M

Jensen, A.J.C. (1958) 584590  
Statist.Nows Lett.Consult.Explorator, (3) 62 p.  
 Whiting statistics

Tables giving landings by countries  
 engaged in near northern seas fisheries,  
 with data on fishing effort.

FiB ofa

M

Fridriksson, A. (Ed.) (1958) 584591  
Statist.Nows Lett.Cons.int.Explor.Mar. (4):13 p.  
 Herring - North Sea 1954-1957. Length  
 and age data

Tablos giving quantities of: Gorman  
 landings - trawl - in 1954-56; size  
 distribution, weight of total catch,  
 days fishing & yields/day's effort,  
 Scottish landings - drift-nets - in  
 1957; size, age, maturity & number of  
 vertebrae.

FiB:cfa M

Wilson, C.A. (1958) 584594  
Tulane Stud.Zool., 6:116-70  
 Aquatic and semiaquatic Hemiptera of  
 Mississippi

Contains data on distribution, habitat  
 preferences, mating habits, food habits  
 & other observed biological data for 132  
 spp. of aquatic & semiaquatic Hemiptera  
 collected in Mississippi. Incl. are  
 keys to families, genera & spp. for all  
 13 families. Under each sp. the writer  
 has reviewed the more important notes on  
 biology obtained from the literature.

FAO:hr F

Fridriksson, A. (Ed.) (1958) 584592  
Statist.Nows Lett.Cons.int.Explor.Mar. (5):24 p.  
 Cod, haddock and whiting 1954-57.  
 Length and age data

Tablos giving German, Scottish &  
 English catches in ANE, with statistics  
 of sampling surveys by ANTON DOHRN &  
 EXPLORER.

FiB:cfa M

Healstead, B.W. (1958) 584595  
Mar y Pesca, 2(3):5-13  
 Peces venenosos. Las ultimas investiga-  
 ciones y estudios sobre peces venenosos  
 y ciguatera (Poisonous fishes. The  
 last investigations & studies on  
 poisonous fishes & "ciguatera")

Reviews the characteristics & diagnosis  
 of the various types of ichthyosarco-  
 toxism & considers cases of poisoning by  
 different spp.

FAO:hr MF

Jubb, R.A. (1958) 584593  
S.Afr.J.Sci., 54:218  
 The distribution of freshwater fishes.  
 a note on some Zambesi river species

A note on distribution of Mormyrus  
longirostris, Hydrocyon vittatus,  
Alcistes imberi, Distichodus mossambicus,  
D. schonga, Labco altivelis, L. congoro,  
Eutropius depressirostris & Synodontis  
zambesensis.

FAO:hr MF

Schweiggör, E. (1958) 584596  
Bol.Comp.adm.Guano, 34(7):11-7  
Oceanografia - Aguajes rojos y sus  
consecuencias (Oceanography - Red  
 tide and its consequences)

A review of the causes of red tide &  
 the red tide in Peru.

FAO:hr M

Apostolski, K. (1958) 584597  
Izdanija, Skopje, 2:83-101  
 Ribolov vo nasoki na Dojranskoto ozero  
 (Fishing by means of "nasoki" on Dojran  
 Lake). En

Describes an intensive & efficient  
 method second in importance in this  
 Balkan lake, & discusses its selectivity  
 & controlability.

FAO:tjj

F

Kirkpatrick, H. (1958) 584600  
World Crops, 10:286-8  
 Eradication and control of water  
 hyacinth - Results of a campaign in the  
 Belgian Congo in 1955-57

Describes the problem, treatment with  
 an amino salt formulation of 2,4-  
 dichlorophenoxyacetic acid, & results  
 attained with control of  Eichornia  
crassipes in Congo River drainage.

FAO:wad

F

Edson, L.F. (1958) 584596  
World Crops, 10:281-3  
 The risks of pesticides to fish

Discusses some of the factors involved  
 in the effect of pesticides - for weed,  
 insect & disease vector control. Incl.  
 2 tables: one showing initial  
 concentrations in p.p.m. of 1 lb. of  
 chemical when applied to 1 acre of water  
 of various depths; another showing  
 approximate maximum safe upper limits  
 for fish for initial concentrations, in  
 p.p.m. of endrin, toxaphene, dieldrin,  
 aldrin, DDT, BHC, heptachlor, chlor-  
 dano, parathion, TLPP, rotenone,

Rosenauer, H. (1958) 584601  
World Crops, 10:329-30  
 Seaweeds - A plant food

Abstract of a paper read at the  
 International Horticultural Congress at  
 Nice in April 1958. Seaweeds contain  
 hormones which encourage root develop-  
 ment, & also the chemical elements,  
 present in seawater, which can be  
 applied in liquid form as a foliar  
 nutrient. Further states that  
 processed seaweed is an excellent soil  
 conditioner & that it improves the water  
 holding capacity of a soil.

FAO:glk

M

584598  
 (C r )  
 malathion, pentachlorophenol, arsonites,  
 monuron (GU), DMC, DMP (vinosol),  
 malonic hydrazide, hormone-type weed-  
 killers 2,4-D, MCPA, 2,4,5-T, dalapon,  
 Chlorate, Borate.

Stern, J.A. & al. (1958) 584602  
Spec. Sci. Rep. U.S. Fish Wildl. Serv., (255)  
 5 p.

Counting of nematodes in salmon  
 by peptic digestion

A detailed account of a simple & rapid  
 procedure for recovery of nematode  
 parasite Anisakis sp., in estimating  
 infection intensity.

FAO:wad

F

WAD:ofa

MF

Needler, A.W. (1958) 584603  
J.Fish.Res.Bd Can., 15:759-77  
Fisheries Research Board of Canada -  
Biological Station, Nanaimo, B.C. 1908-  
1958

Account of the history of the station &  
its programmes.

GLK:glk

M

Berkeley, M. & C. Berkeley (1958) 584606  
J.Fish.Res.Bd Can., 15:801-4  
Polychaeta of the Western Canadian  
Arctic

A summary of the spp. of Polychaeta  
hitherto recorded from the western  
Canadian Arctic is given. Each of the  
spp. enumerated is considered in the  
light of its known, or unknown,  
occurrence in each of 2 regions to the  
west - northern Alaska & the Chukchee  
Sea - & 2 to the east - Hudson Bay &  
Greenland - respectively.

GLK:glk

M

Clemens, W.A. (1958) 584604  
J.Fish.Res.Bd Can., 15:779-96  
Reminiscences of a Director

Informal account of the background of  
important events which occurred in the  
Nanaimo Station from 1924 to 1940, when  
the author was Director of the Station.

GLK:glk

M

Brett, J.R. & D.F. 584607  
Alderdice (1958)

J.Fish.Res.Bd Can., 15:805-13  
The resistance of cultured young chum  
and sockeye salmon to temperatures  
below 0°C

Experimental determination of lethality  
at 0.5, -1.0 and -5° Centigrade, &  
the temperature at which blood &  
aqueous humour freeze.

GLK:glk

F

Alderdice, D.F. & W.P. 584605  
Wickett (1958)  
J.Fish.Res.Bd Can., 15:797-9  
A note on the response of developing  
chum salmon eggs to free carbon dioxide  
in solution

Experimental examination of the  
consequence of the build-up in the  
concentration of metabolic waste  
products, incl. carbon dioxide, in  
water perfusing an egg mass.

GLK:glk

F

Brett, J.R. & M.A. Ali (1958) 584608  
J.Fish.Res.Bd Can., 15:815-29

Some observations on the structure and  
photomechanical responses of the  
Pacific salmon retina

The general structure of the Pacific  
salmon retina is described. Stages in  
the contraction & expansion of rods &  
cones & the migration of pigments are  
depicted; laboratory determination of  
light adaptation time & a field  
observation of the same.

GLK:glk

MF

<p>Chatwin, B.M. (1958) 584609  <u>J.Fish.Res.Bd Can.</u>, 15:831-49  Mortality rates and estimates of theoretical yield in relation to minimum commercial size of lingcod (<u>Ophiodon elongatus</u>) from the Strait of Georgia, British Columbia</p> <p>Tags used, tagging procedure &amp; techniques of recovery. Catch statistics, &amp; calculations of change in mortality rate with age, rate of fishing, survival &amp; of yield in relation to minimum size &amp; rate of fishing.</p> <p>GLK:glk M</p>	<p>Godfrey, H. (1958) 584612  <u>J.Fish.Res.Bd Can.</u>, 15:891-908  Comparisons of the index of return for several stocks of British Columbia salmon to study variations in survival</p> <p>The "index of return" - ratio of off-spring catch to present catch - was used to compare annual survival among several stocks of British Columbian salmon. Comparisons are made between pink &amp; sockeye salmon &amp; between the stocks of pink salmon.</p> <p>GLK:glk MF</p>
<p>Dodimead, A.J. &amp; H.J. 584610  Hollister (1958)  <u>J.Fish.Res.Bd Can.</u>, 15:851-65  Progress report of drift bottle releases in the Northeast Pacific Ocean</p> <p>Account of the release of 25,000 drift bottles &amp; of the returns to date. Description of the indications of the principal characteristics of surface movement, as shown by those results &amp; compared with geopotential topography. Estimation of "most probable time at sea" &amp; of "most probable speed".</p> <p>GLK:glk M</p>	<p>Hourston, A.S. (1958) 584613  <u>J.Fish.Res.Bd Can.</u>, 15:909-60  Population studies on juvenile herring in Barkloy Sound, British Columbia</p> <p>Population studies were carried out on herring in the juvenile - 1st year, post-metamorphosis - stage in Barkloy Sound in the summers of 1951 to 1954. Their chief objective was to detect &amp; estimate yearly changes in relative abundance. Appendices on marking mortality, sampling technique, &amp; on the computation of average juvenile herring population.</p> <p>GLK:glk M</p>
<p>Foskett, D.R. (1958) 584611  <u>J.Fish.Res.Bd Can.</u>, 15:867-89  The rivers inlet sockeye salmon</p> <p>An account is given of the inlet, its physiographic conditions, climate, water temperature &amp; chemical composition of plankton. Life history of the sockeye in the inlet is described. Hazards encountered during the life cycle are discussed, as are the problems of management.</p> <p>GLK:glk MF</p>	<p>Johnson, W.B. (1958) 584614  <u>J.Fish.Res.Bd Can.</u>, 15:961-82  Density and distribution of young sockeye salmon (<u>Oncorhynchus nerka</u>) throughout a multibasin lake system</p> <p>Estimates of density - based on catch per unit effort with tow nets - of fingerling sockeye salmon populations in a large - 174 sq. mile - multibasin lake system were carried out during 1955, 1956 &amp; 1957. Density &amp; distribution of fingerling sockeye throughout the lake system are related to density &amp; distribution of the spawning parent populations.</p> <p>GLK:glk F</p>

Margolis, L. (1958) 584615  
J.Fish.Res.Bd Can., 15:983-90  
The occurrence of juvenile Corynosoma  
(Acanthocephala) in the Pacific salmon  
(Oncorhynchus spp.)

Of 2406 Oncorhynchus nerka & O. gorbuscha collected in 1955 & 1956 from many localities throughout their range in the North Pacific & adjacent seas, 1.79% were infected with juvenile Acanthocephala of the genus Corynosoma.

GLK:glk

MF

Terhune, L.D.B. (1958) 584618  
J.Fish.Res.Bd Can., 15:1027-63  
The Mark VI groundwater standpipe for measuring seepage through salmon spawning gravel

Description of the apparatus & its use. Theory of flow through gravel, direct & indirect measurement of permeability & its calibration, & direct & indirect measurement of velocity & its calibration.

GLK:glk

F

Ricker, W.E. (1958) 584616  
J.Fish.Res.Bd Can., 15:991-1006  
Maximum sustained yields from fluctuating environments and mixed stocks

Using numerical models, effects of environmental variability upon yield were tested for 6 single-age fish stocks characterized by different kinds & degrees of density-dependent reproduction potential.

GLK:glk

MF

Waldichuk, M. (1958) 584619  
J.Fish.Res.Bd Can., 15:1065-102  
Drift bottle observations in the Strait of Georgia

Account of release of 1,636 bottles; of the recoveries & of the evidence they furnish on the pattern of drift in the strait. Consideration of tide, wind & run-off as factors influencing the drift of bottles.

GLK:glk

M

Shoptart, M.P. & F.C. 584617  
Withler (1958)  
J.Fish.Res.Bd Can., 15:1007-25  
Spawning stock size and resultant production for Skeena sockeye

Examination of available information on the relation between number of adults returning to the fishery from a given brood year, & the abundance of spawners in the present year, in order to characterize this relation.

GLK:glk

MF

Wickett, W.P. (1958) 584620  
J.Fish.Res.Bd Can., 15:1103-26  
Review of certain environmental factors affecting the production of pink and chum salmon

Effects of low water levels on the migration of adults & the deposition of eggs, the reduction of population size by extreme floods, water levels during early stages of incubation & survival of deposited eggs & the permeability of the spawning ground & fry production, in relation to density of eggs.

GLK:glk

MF

Kudinova-Pasternak, R.K. (1957) 584621  
C.R.Acad.Sci.U.R.S.S., 117:530-2

Nekotorye osobennosti razmnzheniia i razvitiia trokh vidov somestva Teredinidae (Some peculiar features of reproduction and development of 3 spp. of the Teredinidae family)

Describes the development & behaviour of larvae & the stages at which they start an independent life, earlier in the north, veliger stage, & later - just before metamorphosis - in warmer waters. Teredo navalis & T. podicollata reproduce by internal fecundation, T. utriculus by external in winter & internal in summer.

FAO:go

M

Chukhchin, V.D. (1957) 584622  
C.R.Acad.Sci.U.R.S.S., 117:533-4

O pelagicheskoi lichinke rapany v Chernom more (Pelagic larva of Rapana bezoar L. in the Black Sea)

States that R. bezoar is a recent inhabitant of the Black Sea, that it feeds mainly on Lamolibranchia & is a danger to oyster & mussel colonies. Describes the development & behaviour of the plankton eating Rapana larva.

FAO go

M

Kraiushkina, L.S. (1957) 584623  
C.R.Acad.Sci.U.R.S.S., 117:542-4

Gistofiziologicheskaya kharakteristika organov pishchevaritelnoi sistemy lichinok sovriugi na razlichnykh etapakh razvitiia (Histo-physiological characteristics of the digestive system of Acipenser stellatus larvae at different stages of development)

Description of the process of food consumption at the 3 post-embryonic stages of larvae development: yolk nutrition, mixed nutrition & active nutrition. States that thorough knowledge of these processes is necessary for improved methods of fish breeding.

FAO:go

MF

Koloss, B.I. (1957) 584624  
C.R.Acad.Sci.U.R.S.S., 117:704-6

K ekologicheskoi gistologii segmentirovannoi muskulatury vodnykh pozvochnykh zhivotnykh (Contribution to the ecological histology of segmented muscles of aquatic vertebrates)

States that the morphological analysis of fishes' motive power shows the functions of tonic - red - & non-tonic - white - muscular filaments. Describes the structure of the muscular tissue of tadpoles. Concludes that Cyclostomata, fishes & larvae of amphibians possess a similar segmented muscular system.

FAO:go

MF

Kiseleva, M.I. (1957) 584625  
C.R.Acad.Sci.U.R.S.S., 15:713-6

Lunnaia periodichnost' v roonii goteroneroidnykh form Platynoreis dumorilii (Aud. & Edw.) i Noreis zonata Malmgren v Chernom more (Lunar periodicity in the swarming of heteronereotic forms of Platynoreis dumorilii Aud & Edw., and Noreis zonata Malmgren in the Black Sea)

Describes studies on the swarming of these Polychaeta carried out in the Black Sea in relation to lunar phases. Agrees with the opinion that lunar periodicity in animal reproduction is ruled by exogenous factors, but their

manifestation is dependent on endogenous factors - the physiological conditions of the organism.

(Card 2)

FAO go

M

Pavlovsky, E.N. (1957) 584627  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
117(1-6):954-7

Lunar periodicity in the swarming of  
Heteronereid forms of Platynereis  
dumortillii (Aud. & Edw.) and Nereis  
zonata Malmgren in the Black Sea

English translation of 584625.

FAO: M

Shmalgauzon, I.I. (1957) 584630  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
117(1-6):1079-81

Some aspects of the reproduction and  
development of three species of the  
family Terebrinidae

English translation of 584621.

FAO: M

Pavlovsky, E.N. (1957) 584628  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
117(1-6):966-8

The histology of the digestive system  
of sturgeon larvae at different  
developmental stages

English translation of 584623.

FAO: MF

Pavlovsky, E.N. (1957) 584631  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
117(1-6):1082-3

On the pelagic larva of Rapana in the  
Black Sea

English translation of 584622.

FAO: M

Shmalgauzon, I.I. (1957) 584629  
C.R.Acad.Sci.U.R.S.S.(Transl.)(Biol.),  
117(1-6):992-5

The ecological histology of the  
segmental musculature of aquatic  
vertebrates

English translation of 584624.

FAO: MF

Davy de Virville, A. & 584632  
M. Denizot (1958)  
C.R.Acad.Sci., Paris, 247:323-5  
Sur l'extension, vers le Sud, de l'aire  
de répartition du Fucus vesiculosus  
(On the southward extension of the area  
of distribution of Fucus vesiculosus)

Existence of ecotypes from Canary Is.  
is justified; discussion of  
nomenclatural confusion with other spp.  
of genus.

FAO: sjh M

Jónsson, S. (1958) 584633  
C.R.Acad.Sci., Paris, 247:325-8  
Sur la structure cellulaire et la  
reproduction de Codiolum petrocelidis  
Kuck., algue verte unicellulaire  
endophyte (On the cellular  
structure & reproduction of Codiolum  
petrocelidis Kuck., a green uni-  
cellular endophytic alga)

Description of sp. found on Botry-  
diaceae, Cladophyta & Chlorococcales;  
on the Brittany coast on red algae,  
especially Petrocelis eruenta.

FAO:sjh

M

Dancy, H. & A. Kornéis (1958) 584636  
C.R.Acad.Sci., Paris, 247:1224-6  
Description d'un appareil pour l'étude  
hydrologique de certains milieux marins  
benthiques (Description of an  
apparatus for hydrological study of  
certain benthic marine environments).

Description of a water-sampling bottom  
to be lowered vertically to Posidonia  
beds where, resting horizontally on the  
bottom among the leaves of the stand it  
can be activated to take the water  
sample.

FAO:glk

M

Pfirsch, R. (1958) 584634  
C.R.Acad.Sci., Paris, 247:349-51  
Rôle des mœats gazeux dans l'action des  
ultrasons sur les cellules foliaires  
d'Ulodea et de Mnium (Role of  
gaseous intervals in the action of  
ultrasound on the leaf cells of Ulodea  
and Mnium)

Tourbillions & tearing obtained in the  
plant cells through ultrasounds can be  
provoked in the absence of hollows by  
preformed bubbles, in particular by  
natural gaseous intervals. This kind of  
action confirms the previous  
observations made on the periodical

Bocquet, C. & R. Lejuez (1958) 584637  
C.R.Acad.Sci., Paris, 247:1243-6  
Relations entre les genres luteum,  
signatum et rubrum, chez l'Isopode  
Sphaeroma serratum (Fabricius)  
(Relation between the luteum, signatum  
& rubrum genes in the Isopod Sphaeroma  
serratum Fabricius)

Determination of independence of luteum  
from lunulatum & ornatum, its linkage  
with signatum & pseudo-signatum, & its  
recessive or hypostatic relation with  
rubrum.

FAO:glk

M

584634  
(Card 2)  
systems of floating particles bound  
also to diffused bubbles.

Moralos, L. (1958) 584638  
Invest.pesq., 11:3-32  
Cefalópodos de Cataluña. I.  
(Cephalopods of Cataluña. I.). En

A study on the toutologic fauna based  
in the specimens of the collection of  
Blanes Laboratory, Spain. Biologic,  
ecologic & historic remarks are added.  
5 spp.: Octopus - Scaergus - tetracirrus,  
O. - Scaergus - unicirrus, Loligo  
forbesi, Callitouthis reversa & Chiro-  
touthis veranyi are now in the  
Mediterranean Spanish coast. O. saluzii  
now only in Catalanian waters.

FAO:hr

M

FAO:hr

F

Fraga, F. (1958) 584639  
Invest.pesq., 11:33-7  
 Variación estacional de la composición química del mejillón (Mytilus edulis). II. Hidratos de carbono (Seasonal variation of the chemical composition of the edible mussel (Mytilus edulis). II. Carbohydrates). En

Quantitative determinations of oligo-saccharide in the mussel, Mytilus edulis, for a complete annual cycle were made. The annual mean value was 0.44% that suppose the 13.6% of the carbohydrates in the whole. The glycogen seasonal variation is also studied & it is

established an approximate relation between glycogen & weight of the comestible part of the mussel both fresh & dried.

FAO:hr

MF

Fraga, F. & M.a Lopez-Capont (1958) 584641  
Invest.pesq., 11:39-52  
 Oligosacáridos en el mejillón (Mytilus edulis). Factor de proteínas (Oligo-saccharides in the edible mussel, Mytilus edulis. Protein factors). En

A nitrogen containing of 15,7% was obtained for the mussel's proteins. The protein factor found was 6,13. The oligosaccharides identified were glucoso, maltoso, maltotrioso, & maltotetraoso. The quantity of mytilital & taurine were computed.

FAO:hr

MF

Horrera, J. (1958) 584642  
Invest.pesq., 11:53-66  
 Datos climáticos del puerto de Castellón y térmicos de las aguas costeras superficiales en relación con la pesca, on 1956 (Climatic data of the port of Castellón and temperatures of the coastal surface waters in relation with the fisheries during 1956). En

Resumes the meteorological data from harbour of Castellón, eastern coast of Spain, & the temperatures of superficial water for 1956.

FAO:hr

MF

Margalef, R. (1958) 584643  
Invest.pesq., 11:67-100  
 La sedimentación orgánica y la vida on los fondos fangosos de la Ría de Vigo (Organic sedimentation and life on the muddy bottoms of the loch of Vigo). En

Reports on a study of samples of mud gathered in a number of stations along & across the loch.

FAO:hr

MF

Zariquicy Alvarez, R. (1958) 584644  
Invest.pesq., 11:101-4  
 Decápodos españoles. XII. Acción de un bopírido sobre los caracteres sexuales de dos especies del gén. Munida Leach (Spanish decapods. XII. The effect of a bopyrid on the sexual characters of the species of the genus Munida Leach). En

Contents as per title.

FAO:hr

M

Margalof, R. & B. Androu (1958) 584645  
Invest.pesq., 11:105-26

Componente vertical de los movimientos del agua en la ría de Vigo y su posible relación con la entrada de sardina (Vertical components in the water movements in the loch of Vigo & its possible relation to the arrival of sardines). En

The velocity of ascensional movement of water in the loch shows a certain relation with the amount of the catch of sardines suggesting that fishes are carried somewhat passively to the loch with inflowing subsurface Atlantic water.

Nikoliokin, N.I. (1958) 584648  
Priroda, Moskva, 2:31-8

Otdalennaiia gibridizatsiia ryb (Hybridization of distantly related fish)

Discusses the various aspects of hybridization in natural conditions, results of artificial breeding & the possibility to make use of certain hybrids for solving the problem of stocking water reservoirs with valuable food fish, capable of thriving in new environments. Emphasis set on heterosis of inter-genera hybrids of sturgeon. FAO:go F

584645  
(Card 2)

The acceptance of a relation between movements of the sardine & inflow of Atlantic water suggests further studies.

FAO:hr

MF

Vodianitskii, V.A. (1958) 584649  
Priroda, Moskva, 2:46-52

Dopustim li sbros otkhodov atomnykh proizvodstv v Chernoe more? (Is discharge of atomic industry waste into the Black Sea admissible?)

Contests the theory of stagnancy of Black Sea deep waters, which supposedly permits the dumping of atomic industry waste. Discusses known currents, stratification & possibilities of vertical intermixing of water. States that noxious substances may be, moreover, transferred by biological processes through microbes, plankton & fish.

FAO:go

M

Bigelow, H.B. & W.C. 584647  
Schroeder (1958)  
Bull.Mus.comp.Zool.Harv., 119(2):199-234  
Four new rajids from the Gulf of Mexico

M

Purin, V.R. (1958) 584650  
Priroda, Moskva, 2:53-5

Okhrana prirody v Latviiskoi SSR (Nature conservation in the Latvian SSR)

Describes dangers threatening the natural resources of Latvia, in spite of conservation measures & re-stocking. States that, with regard to fish, the main damage is caused by uncontrolled fishing & water pollution by unchecked industrial waste.

FAO:go

MF

<p>Anonymous (1958) 584651  <u>Priroda, Moskva</u>, 2:100-4  Podvodnye mut'ovye potoki (Submarine  sediment streams)</p> <p>Translation of a paper by B.S. Hoozon,  M. Lwing &amp; R. Monzies, Columbia Univ.</p> <p>FAO:go M</p>	<p>Bossolasco, M. &amp; I. 584654  Dagnino (1958)  <u>Ric.sci.</u>, 28:1847-50  La stazione registratrice del moto  ondoso marino di Livorno (The  station for recording wave movements  of the sea at Loghorn). In Fr Do</p> <p>Description of the station which, in  association with neighbouring stations,  permits study of the originating &amp;  transforming processes of wave  movement in the Ligurian sea; apparatus  for permanent recording of seawater  temperature &amp; some local meteorological  elements was recently added.</p> <p>FAO:glk M</p>
<p>Shomanskii, Iu.A. (1958) 584652  <u>Priroda, Moskva</u>, 2:104-5  Lov ryby na zvuk (Fishing by sound)</p> <p>Examines reaction of fish to sounds.  States examples &amp; describes acoustic  devices &amp; means to attract fish.</p> <p>FAO:go MF</p>	<p>U.K. Ministry of Agriculture 584655  Fisheries &amp; Food (1958)  <u>Her Majesty's Stationery Off.London</u>, 31p.  Sea fisheries statistical tables 1957</p> <p>Fish landed during the year: quantity,  value &amp; average value of each kind by  British &amp; foreign vessels; broken down  by ports of landing; with further break-  down into pelagic &amp; demersal showing  regions from which taken &amp; methods  employed; expenditure of fishing power.  Tables, covering various time spans, of  quantity &amp; value of landings, fishermen  &amp; vessels. Imports &amp; exports.</p> <p>FAO glk M</p>
<p>Iakovenko, M.Ia. (1958) 584653  <u>Priroda, Moskva</u>, 2:107  Malye polosatiki sredi l'dov (Piked  whales among ice-floes)</p> <p>Describes the behaviour of <u>Balaenoptera</u>  <u>acutorostrata</u> observed in the Arctic  Ocean as far north as 74°.</p> <p>FAO:go M</p>	<p>Anderson, D.L. &amp; W.F. Weeks (1958) 584656  <u>Trans.Amer.geophys.Un.</u>, 39:632-40  A theoretical analysis of sea-ice  strength</p> <p>Attempt to derive a theoretical  relationship between sea-ice strength  &amp; the controlling factors of salinity,  temperature, &amp; density. A geometric  model of the ice-brine relationship is  constructed from photographs &amp; used  to calculate tensile strength of warm -  above -20°C - sea ice.</p> <p>TL:glk M</p>

Weeks, W.F. & D.L. 584657

Anderson (1958)

Trans.Amer.geophys.Un., 39:641-7

An experimental study of strength of young sea ice

Results of in-place cantilever beam tests with regard to relation between flexural strength & brine content. Values of Young's modulus also experimentally determined.

TL:glk

M

Bernard, F. (1958) 584660

Bull.Soc.Hist.nat.Afr.N., 49(1-2):44-73

Le problème biologique de la fertilité marine élémentaire (The biological problem of the elementary marine fertility)

A general review of the subject incl. also a report of the author's work in the Mediterranean Sea.

FAO:hr

M

Faller, A.J. (1958) 584658

Trans.Amer.geophys.Un., 39:716-20

An optical method for the measurement of surface waves in the laboratory

Theory of the technique which consists of uniform illumination through the glass bottom of a tank with photographic recording, from above, of optical path length through a black dye solution, & measurement of height of surface waves from film density.

TL:glk

MF

Nomoto, Y. (1958) 584661

Bull.Fac.Fish.Hokkaido, 9(1):1-13

Ecological analysis of the catch in a set-net fishing ground near Hakodate, Hokkaido

Studies of correlation between total catch per haul & environmental elements on a single ground; incl. observations on successional fluctuation occurring among fishes migrating into fishing ground.

FAO:ofa

M

Margalof, R. (1958) 584659

Publ.Inst.Biol.apl.Barcelona, 27:17-31

Distribución de los crustáceos en las aguas continentales españolas. Grado de asociación entre las especies en relación con factores ecológicos o históricos (Distribution of crustaceans in Spanish continental waters. Degree of association between species in relation with ecological and historical factors)

A study of association & distribution by the use of notch cards & statistical analysis.

FAO:hr

MF

Tanaka, Y. (1958) 584662

Bull.Fac.Fish.Hokkaido, 9(1):14-28

Feeding and digestive processes of Stichopus japonicus

Account of observations made on feeding, digestive processes & constituents of body fluid of this sp.

FAO:ofa

M

Tanaka, Y. (1958) 584663  
Bull.Fac.Fish.Hokkaido, 9(1):29-36  
Seasonal changes occurring in the gonad  
of Stichopus japonicus

Anatomical & histological observations  
on seasonal changes occurring in gonad  
of this sp.

FAO:cfa

M

Saito, S. & T. Fujii (1958) 584666  
Bull.Fac.Fish.Hokkaido, 9(1):48-52  
(On measured appearing distances of the  
sea clutter echoes that interfere with  
radar watching by means of corner  
reflectors). Ni En

Contents as per title.

FAO:cfa

M

Inaba, Y. (1958) 584664  
Bull.Fac.Fish.Hokkaido, 9(1):37-42  
(On the forces acting on the rudder).  
Ni En

Theoretical study of examination of  
strength of steering gear by  
computation of formulas in relation to  
wave forces in various sea conditions.

FAO:cfa

M

Igarashi, S. (1958) 584667  
Bull.Fac.Fish.Hokkaido, 9(1):53-8  
(On the decrease of buoyant force of  
the float (1) ). Ni En

Notes on measurement of buoyant force  
of floats made of paulownia,  
synthetic rubber & other materials.

FAO:cfa

MF

Yamaguti, S. (1958) 584665  
Bull.Fac.Fish.Hokkaido, 9(1):43-7  
Model experiment on the tidal and ocean  
currents through the Strait of Tsugaru

Conduct & method of experiments,  
apparatus used & results obtained.

FAO:cfa

M

Kobayashi, K. & N.Inoue (1958) 584668  
Bull.Fac.Fish.Hokkaido, 9(1):59-65  
(An experiment on a mid-water trawl.  
V. Experiments on full sized mid-water  
trawl gear at sea). Ni En

Brief account of study on the utility  
of the experimental gear tested near  
Otaru Bay, Japan.

FAO:cfa

M

Fukuda, M. (1958) 584669  
Bull.Fac.Fish.Hokkaido, 9(1):66-72  
 Design of an improved turbidity meter

Detail of instrument, method of  
 calibration & the use in the field.

FAO:ofa

M

Igarashi, H. & Y. Hosoya (1958) 584672  
Bull.Fac.Fish.Hokkaido, 9(1):86-8  
 (Studies on Chromoproteins of red algae  
 III. On the effects of ultraviolet  
 rays and pepsin upon the absorption  
 spectra of phycocrythrin and phycocya-  
 nin). Ni En

Account of observations on the effect  
 of ultraviolet rays & pepsin hydrolysis  
 upon visible absorption spectra of  
 phycocrythrin from Neodilsca yendoana  
 & Laurencia glandulifera, & phycocyanin  
 from the latter.

FAO:ofa

M

Tanikawa, E. & T. 584670  
 Motohiro (1958)  
Bull.Fac.Fish.Hokkaido, 9(1):73-80  
 (Studies on the complete utilization of  
 squid (Ommastrophos sloani pacificus).  
 XVI. On the manufacture of dried squid  
 meat). Ni En

Detection of amines in dried squid  
 meat, with notes on qualities of  
 various grades.

FAO:ofa

M

Blair, W.F. (1958) 584673  
Amer.Nat., 92:27-51  
 Mating call in the speciation of  
 anuran amphibians

A study of intraspecific, interspecific  
 & hybrid variations of calls measured  
 by a sound spectrograph, Sona-graph.

FAO:hr

F

Igarashi, H. & Y. Hosoya (1958) 584671  
Bull.Fac.Fish.Hokkaido, 9(1):81-5  
 (Studies on Chromoproteins of red algae.  
 II. On the effects of hydrochloric acid  
 upon the absorption spectra of phyco-  
 rythrin and phycocyanin). Ni En

Notes on the effect of HCL hydrolysis  
 upon visible absorption spectra of  
 phycocrythrin & phycocyanin.  
 Differences exist between phycocyanins  
 from Laurencia glandulifera &  
Neodilsca yendoana.

FAO:ofa

M

Schonsted, I.V. (1958) 584674  
Amer.Nat., 92:161-70  
 Model of subnuclear segregation in the  
 macronucleus of ciliates

Outlines the mathematical treatment  
 of a simple idealized model. Discusses  
 the nature of the model & its  
 mathematical formulation.

FAO:hr

MF

Srinivasachar, H.R. (1958) 584675  
Proc.nat.Inst.Sci.India, 24B:165-90  
 Development of the skull in catfishes. V.  
 Development of skull in Heteropneustes  
fossilis (Bloch)

5 stages in development & the adult skull described using modern nomenclature adopted by de Beer, 1937. The origin of some of the disputed bones of the siluroid skull has been traced & discussed. The lateral line system & the hyobranchial skeleton are described.

FAO:glk

F

California University. Scripps 584678  
 Institution of Oceanography (1958)  
U.S.Bureau of Commercial Fisheries, 23 p.  
Scripps Tuna Oceanography Research  
 Program Quarterly Progress Report no. 4

Use of existing data; account of improvements in instrumentation & evaluation of data; assembly & installation of monitoring stations; general notes on the SCOT expedition with summary of routine physical, chemical & biological observations.

GLK:glk

M

Maroc. Service Centrale de 584676  
 Statistique (1958)  
 Rabat, 36 p.  
 Bulletin mensuel de statistique no. 9  
 (Monthly bulletin of statistics)

Incl. monthly table of fish landings, by areas, for the period May-December, 1957.

FAO:sjh

M

Green, J. (1958) 584679  
Proc.zool.Soc., Lond., 131:49-54  
Dactylopusioides macrolabris (Claus)  
 (Copepoda: Hapacticoida) and its frond  
 mining nauplius

Description of the nauplii & determination of their systematic position.

FAO:glk

M

Maroc. Service Centrale de 584677  
 Statistique (1958)  
 Rabat, 36.p.  
 Bulletin mensuel de statistique no. 10  
 (Monthly bulletin of statistics)

Incl. monthly table of fish landings, by areas, for the period June 1957 - February 1958.

FAO:sjh

M

Duncan, C.J. (1958) 584680  
Proc.zool.Soc., Lond., 131:55-84  
 The anatomy and physiology of the  
 reproductive system of the freshwater  
 snail Physa fontinalis (L.)

Morphology & histology of the reproductive system are described & an account is given of the role of each of the genital organs.

FAO:glk

F

Cain, A.J. & G.A. 584681  
 Harrison (1958)  
Proc.zool.Soc., Lond., 131:85-90  
 An analysis of the taxonomist's  
 judgment of affinity

The basic idea of affinity, as overall  
 similarity, which is logically &  
 historically prior to that of  
 evolutionary affinity, is described & its  
 use in taxonomy, which is constant, is  
 discussed.

FAO:glk

MF

Ushakov, P.V. (1958) 584684  
Priroda, Moskva, 47(3):58-63  
Subantarkticheskie ostrova Makkuori i  
Kergelen (The sub-antarctic  
 islands Macquarie and Kerguelen)

Describes the islands, visited by the  
 USSR Academy of Sciences Expedition  
 on board the QB, particularly the  
 coastal aquatic flora & fauna.

FAO:go

M

Bishop, M.W.H. & D.J. Crisp (1958) 584682  
Proc.zool.Soc., Lond., 131:109-19  
The distribution of the barnacle Alminius  
modestus Darwin in France

Distribution of this immigrant sp. on  
 the French coast is defined in order to  
 provide a basis on which further  
 extensions of this range can be  
 established, & from which the course of  
 events leading to its present  
 distribution might be adduced.

FAO:glk

M

Birshtein, I.A., A.I. Savilov 584685  
 & G.B. Udintsev (1958)  
Priroda, Moskva, 47(3):70-1  
Tralenie na maksimalnoi glubino miro-  
vogo okeana (Trawling at the  
 greatest ocean depths)

Describes the procedure & results of  
 sounding & trawling the ocean floor in  
 the Marianas trench by the USSR  
 Academy of Sciences ship VITIAZ. States  
 that no benthic animals were found  
 in the ocean bottom samples collected  
 in 3 hauls.

FAO go

M

Klumov, S.K. (1958) 584683  
Priroda, Moskva, 47(3):36-43  
Uchast' kitov (The fate of whales)

Examines commercial whaling with regard  
 to authorized hunting grounds,  
 conservation measures & natural  
 reproduction. States alarming data on  
 the diminishing number of humpbacks &  
 lately of blue whales & the large  
 proportion of immature finbacks caught.  
 Insists on the need to base conservation  
 measures on the composition of separate  
 herds.

FAO:go

M

Uspenskii, S.M. (1958) 584686  
Priroda, Moskva, 47(3):107-8  
Narvaly v tsentral'noi Arktike  
(Narwhals in the central Arctic)

Description of Monodon monoceros, its  
 distribution & behaviour.

FAO go

M

<p>Grin, A.M. (1958) 584687  <u>Priroda, Moskva</u>, 47(3):109-10  Tretii vsesoiuznyi gidrologicheskii  s'ezd (Third all-Union congress of  hydrologists)</p> <p>Review of subjects dealt with in 450  papers at a meeting held in Oct. 1957  in Leningrad by 1500 hydrologists from  USSR, China, Mongolia &amp; European  People's Republics: inland water  discharge &amp; behaviour, physical &amp;  chemical composition of water in lakes  &amp; artificial reservoirs, water  pollution, power production, etc.</p> <p>FAO:go F</p>	<p>Golenchenko, A.P. (1958) 584690  <u>Priroda, Moskva</u>, 47(4):79-80  Akusticheskaya razvedka ryby s  vertoleta (Acoustic search for fish  by helicopter)</p> <p>Examines the advantages of helicopters  over ships in searching for fish by  means of acoustic devices placed on  submerged floats lowered into the sea.</p> <p>FAO:go M</p>
<p>Rass, T.S. (1958) 584688  <u>Priroda, Moskva</u>, 47(4):44-7  Puti obogashcheniya ikhtiofauny morei  SSSR (Ways for enriching the  ichthyofauna of USSR seas)</p> <p>Recalls successful transplantation of:  <u>Mugil</u> sp., Black sea to Caspian; <u>Clupea</u>  <u>harengus</u> membrans, Baltic to Aral sea;  <u>Alosa sapidissima</u>, E to W America;  <u>Oncorhynchus tshawytscha</u>, N. Zealand.  Proposes transplantation of: <u>Pleurogram-</u>  <u>mus</u> sp., Pacific to Barents &amp; White seas;  <u>Gadus morhua callarias</u>, Baltic to Black  sea; <u>Arctogadus borissavi</u>, N.E. Siberia  to White sea.</p> <p>FAO:go M</p>	<p>Sharikov, Yu.D. &amp; I.A. 584691  Cherkasov (1958)  <u>Priroda, Moskva</u>, 47(4):83-5  Aerofotos'emka v izuchenii morskikh  volnenii (Aerial photograph for  studying the swell of the sea)</p> <p>Describes procedure for taking stereo-  photographs of the sea surface from  2 aircraft.</p> <p>FAO:go M</p>
<p>Dotsenko, A.P. (1958) 584689  <u>Priroda, Moskva</u>, 47(4):48-9  Pochemu melest i bednet ryboi Severskii  Donets (Causes for which the river  Severskii Donets grows shallow &amp; poor in  fish resources)</p> <p>Enumerates causes &amp; proposes conservation  measures such as bank protection,  reforestation, provisions against  erosion, silting &amp; water pollution.</p> <p>FAO:go F</p>	<p>Anonymous (1958) 584692  <u>Priroda, Moskva</u>, 47(4):96-8  Sluchai anomalii u zhivotnykh  (Cases of anomaly in animals)</p> <p>Describes several cases observed on  different animals, incl.: 4 sturgeon  hermaphrodites, carrying ovaries &amp;  testes on the right &amp; only testes on  the left sides, which presumably would  have acted, at spawning time, first as  males &amp; then as females; a "archheaded"  humpback whale, carrying an embryo with  normal skull.</p> <p>FAO:go MF</p>

Alekseev, A.P. (1958) 584693  
Priroda, Moskva, 47(4):111-2  
Okeanograficheskie issledovaniia  
ekspeditsionnogo sudna SEVASTOPOL  
(Oceanographical studies by the research  
ship SEVASTOPOL)

Description of the ship, its equipment  
& route followed during the summer of  
1957 in the North Atlantic.

FAO:go

M

Australia. Commonwealth (1957) 584696  
Canberra, 88 p.  
Report to the General Assembly of the  
United Nations on the administration of  
the territory of Nauru, from 1st July,  
1956, to 30th June, 1957

Contains brief note on fishing &  
fishculture.

FAO:glk

MF

Smith, J.L.B. (1958) 584694  
Ichthyol.Bull., (10):131-4  
Sharks of the genus Pterolamiops  
Springer, 1951, with notes on isurid  
sharks

Gives a key for the classification of  
P. insularum & P. magnipinnis. The last  
is described as n.sp. Describes Isurus  
oxyrinchus & records I. africanus.

FAO:hr

M

Voight, W., Jr. (1958) 584697  
Penn.Angler, 27(9):2-5  
Superhighways and dams

Discusses the possibilities of using  
highway fills as a means of impounding  
water for recreation - incl. fishing -  
flood control, public water supply, etc.

FiB:wad

F

International Hydrographic 584695  
Bureau (1958)  
Int.hydr.Bull., (10):276-310  
Bulletin for October

Contains notes on activities of the  
Bureau & information on charts, sailing  
directions, lights, tides & currents,  
work carried out & projected, & new  
charts & new editions of charts.

FAO:glk

M

Buss, K. (1958) 584698  
Penn.Angler, 27(9):12-4  
Baster egg trout

A popular article on the influence of  
artificial diets on trout coloration  
with special reference to experiments  
in Pennsylvania.

FiB:wad

F

Szarski, H. (1957) 584699  
Amer.Nat., 91:283-301  
 The origin of the larva and metamorphosis  
 in amphibia

Brings together & discusses recent  
 findings relative to the past history of  
 the tadpole & metamorphosis in amphibia.  
 Compares fish & amphibian larvae, &  
 metamorphosis in the 2 groups.

FAO:hr

M

Ganapati, P.N. & D.V. 584702  
 Subba Rao (1958)  
Curr.Sci., 27:349-50  
 Dredging and phytoplankton production

Observation of increased phytoplankton  
 production associated with increased  
 turbidity following dredging.

FAO:glk

M

Volpe, E.P. (1957) 584700  
Amer.Nat., 91:303-9  
 Embryonic temperature adaptations in  
 highland Rana pipiens

A study of rates of development &  
 limits of temperature tolerance of  
 embryos of R. pipiens from Moravia,  
 Costa Rica, & hybridization between  
 Moravia & Wisconsin, U.S.A., leopard  
 frogs.

FAO:hr

F

Mehendale, D.D. & V.B. 584703  
 Tembo (1958)  
Curr.Sci., 27:351  
 Occurrence of Parapenaeopsis cornutus  
 Kishinouye in the seas of India

Report of capture at Bombay & notes on  
 anatomy.

FAO:glk

M

Hubbs, C. & R.A. 584701  
 Reynolds (1957)  
 Copulatory function of the modified  
 pectoral fin of Gambusia fishes

Extreme modification of the pectoral fin  
 to support the gonopodium during  
 copulation occurs in Gambusia heterochir.  
 As males of all spp. examined in this  
 genus support the gonopodium with the  
 pectoral fin, evolution of the  
 structural change most likely follows  
 that of the behaviour.

FAO:hr

F

Murphy, G.J. (1958) 584704  
Maryland Tidew.News, 14(3):9, 12  
 Maryland's ocean commercial fishery -  
 1957

Discusses trends as revealed from  
 statistics compiled by the Maryland  
 Department of Research & Education from  
 records of licensed commercial  
 fishermen & cooperative dealers.

SJH:tjj

M

Schwartz, F.J. & W.G. 584705  
 Meredith (1958)  
Maryland Tidew.Nows, 14(3):10, 12  
 The scaled goby, Microgobius thalassinus,  
 a recent record from the Patuxent River,  
 Maryland

Describes morphology & discusses  
 nomenclature & distribution.

SJH:tjj

F

Backus, R.H. (1957) 584708  
Bull.Amer.Mus.nat.Hist., 113:277-337  
 The fishes of Labrador

An annotated list of marine & fresh  
 water fishes with an introductory note  
 on definition, hydrographic conditions,  
 fresh waters & historical review of  
 ichthyology of Labrador.

FAO:hr

MF

Lear, D.W. (1958) 584706  
Maryland Tidew.Nows, 14(3):11  
 Further red shellfish coloration  
 studies

Discusses correlation of pigment in  
 phytoplankton in the environment of  
 clams with coloration of the latter.

SJH:tjj

MF

Anonymous (1957) 584709  
Soil Conservation Soc.of India,Bihar,1967  
 The challenge of our watersheds

A collection of papers issued in  
 connection with the FAO Development  
 Center on Watershed Managoment  
 organized in India, elaborating the  
 official report - FAO Report no. 703 -  
 with emphasis on the Far East.

tjj

F

Muncy, R.J. (1958) 584707  
Maryland Tidew.Nows, 14(3):11-2  
 Growth of yellow perch in tidal waters

From poundage table of catches from  
 different regions in Maryland, the  
 location & size of harvest are  
 indicated. Scale studies & comparative  
 growth in fresh & tidal waters are  
 referred to.

SJH:tjj

MF

Jones, N.R. (1958) 584710  
J.Sci.Fd Agric., 9:672-7  
 Free sugars in chill-stored, trawled  
 codling (Gadus callarias) muscle

Discussion of causes of change of  
 glucose & ribose & their relevance to be  
 appearance of brown discoloration in  
 salted & dehydrated muscle of this sp.

FAO:ofa

M

Siewing, R. (1957) 584711  
Abh.Math.-Naturw.Kl., (7) 197-270  
Anatomic und Histologie von *Thermosbaena*  
*mirabilis* - Ein Beitrag zur Phylogenie  
der Reihe Pancarida (Thermosbaenacea)

F

Edwards, R.W. (1958) 584714  
Nature, Lond., 182:1208-10  
Aquatic and air pollution

A report on a symposium "The Effects of Pollution on Living Material" organized by the Institute of Biology & held 25-26 Sept., 1958, in London. Papers on river, estuarine, air & radioactive pollution are reviewed briefly.

GLK:wad

MF

Gordon, I. (1958) 584712  
Nature, Lond., 182:1186  
A Thermophilous shrimp from Tunisia

A review of 584711.

GLK:

F

Stolk, A. (1958) 584715  
Nature, Lond., 182:1241  
Extra-regional oocytes in teleosts

Describes their presence in *Phenacogrammus interruptus*, *Chaetodon capistratus*, *Abramites microcephalus*, *Ballistes undulatus*, *Botia modesta*, *Cottus gobio* & *Barbus gelius*, & discusses the relationship of such occurrences to the migration of primordial germ cells.

GLK:wad

MF

Shaw, J. (1958) 584713  
Nature, Lond., 182:1207-8  
Salt and water balance in animal life

A report on a joint session on cytological & quantitative investigations of the subject held at the British Association meeting in Glasgow, 1 Sept., 1958. Papers on lampreys, teleosts & crustacea are reviewed briefly.

GLK:wad

MF

Evans, F. (1958) 584716  
Nature, Lond., 182:1245-6  
Growth and maturity of the barnacles  
*Lepas hillii* and *Lepas anatifera*

Reviews previous knowledge of the subject & records observations based on a cruise from Dakar to the Barbados in 1953-54.

GLK:wad

M

Powell, H.T. (1958) 584717  
Nature, Lond., 182:1246  
Occurrence of forms of Fucus distichus  
L. emend. Powell on North Rona and Sula  
Sgeir

Records observations on distribution of  
2 subspp. F. d. e. dentatus & F. d.  
anceps.

GLK:wad

M

Tortonese, L. (1958) 584720  
G.Pesca, 8(11):3  
Histioteuthis bonelliana, un raro  
cefalopodo del Mediterraneo catturato  
di recente nel mar Ligure (Histio-  
teuthis bonelliana, a rare cephalopod  
of the Mediterranean recently caught  
in the Ligurian Sea)

A note of capture & occurrence of the  
sp.

GLK:hr

M

Milne, A. (1958) 584718  
Nature, Lond., 182:1251-2  
Perfect and imperfect density  
dependence in population dynamics  
  
Critical review of 582809.

GLK:

MF

Humphrey, G.F. (1958) 584721  
Science, 128:709  
The effect of atomic radiation on  
oceanography and fisheries  
  
Review of 582798.

FAO

M

Solomon, M.E. (1958) 584719  
Nature, Lond., 182:1252  
Perfect and imperfect density  
dependence in population dynamics  
  
An answer to 584718.

GLK:

MF

Bradford, A.D. (1958) 584722  
Penn.Angler, 27(10):2-6  
Fishery research . . . its meanings  
. . . its scope in Pennsylvania  
  
Popular article defining research -  
basic & applied - & fishery management  
followed by 10 examples of fish  
management research, 9 of fish cultural  
research & 3 general research projects  
carried on in Pennsylvania.

GLK:wad

F

Gunston, D. (1958) 584723  
Penn. Angler, 27(10):21-2  
Fish migration

Popular article using standard examples.

GLK:wad MF

Anonymous (1958) 584726  
Fisk.Tidskr.Finl., 65:120-1  
Taloukalojemme rasvapitoisuus  
(Fat content of our commercial fish)

Data of fat contents of commercial fish in Finland.

FAO:tl MF

Sjöblom, V. (1958) 584724  
Fisk.Tidskr.Finl., 65:99-104  
Vedenalaisten räjäytysten vaikutuksesta kaloihin (The influence of underwater explosions on fish)

Description of experimental explosion & their influence on killing & stunning of different spp. & sizes of fish - Abramis brama, A. blicca, Leuciscus rutilus, Perca fluviatilis & Gadus callaris.

FAO:tl MF

Doufel, J. (1958) 584727  
Fischwirt, 8:177-87  
Neue Untersuchungsergebnisse über Darmentzündung, lipoider Leberdegeneration sowie über die infektiöse Nierenschwellung und Leberdegeneration bei Regenbogenforellen (Results of new investigations on intestinal inflammation, & lipid degeneration of the liver as well as on infectious swelling of the kidneys & liver degeneration in rainbow trout)

Contents as per title.

FAO:wad MF

Leitilä, N. (1958) 584725  
Fisk.Tidskr.Finl., 65:112-4  
Kalojen kuljetusastia (On the transportation of fish)

Short review of the equipment & methods for transportation of living-fish, specially fry.

FAO:tl F

FAO. Fisheries Biology 584728  
Branch (1958)  
Rome, 12 p.  
World scientific meeting on the biology of sardines

Gives background & objectives, organization & program of the meeting to be held in Rome, Italy, by FAO from 14 to 21 September, 1959.

FiB:hr M

Turvey, R. & J. 584729  
Wiseman (Ed.) (1957).  
FAO, Rome, 234 p.  
The economics of fisheries

Papers by Turvey, R., Gerhardsen, G.M.,  
Zoetewij, H., Scott, A., Gordon, H.S.,  
Kirby, H.S. & E.F. Szczepanik, Lienesch,  
G., Bowen, I., Cassady, R., Jr., &  
Björnsson, O. - 584730 to 584739.

SJH:glk

MF

Zoetewij, H. (1957) 584732  
In "The Economics of Fisheries", by  
Turvey, R. & J. Wiseman (Ed.), 1957,  
FAO, Rome, 18-41  
II. Fishermen's remuneration

Reference to published work on  
patterns of remuneration & discussion  
of the rationale of the share system  
& its variations.

SJH:glk

MF

Turvey, R. (1957) 584730  
In "The Economics of Fisheries", by  
Turvey, R. & J. Wiseman (Ed.), 1957,  
FAO, Rome, iv-xii  
Introduction

An attempt to show the relevance of  
economic theory to the problems of the  
fishing industry, dealing with  
uncertainty & risk & giving particular  
attention to the interaction of  
economic & biological factors as back-  
ground to do examination of  
"conservation" measures.

SJH:glk

MF

Scott, A. (1957) 584733  
In "The Economics of Fisheries", by  
Turvey, R. & J. Wiseman (Ed.), 1957,  
FAO, Rome, 42-64  
III. Optimal utilization and the  
control of fisheries

Discussion of the allocation of labor  
& other elements of production among  
industries, with special reference to  
common-property problems in fisheries:  
diminishing returns, external dis-  
economies population & allocation  
over time as factors affecting landings;  
methods of regulation.

SJH:glk

MF

Gerhardsen, G.M. (1957) 584731  
In "The Economic of Fisheries", by  
Turvey, R. & J. Wiseman (Ed.), 1957,  
FAO, Rome, 1-17  
I. A note on costs in fisheries

Cost investigations, the elasticity of  
supply, fluctuations in costs & cost  
determinants.

SJH:glk

MF

Gordon, H. Scott (1957) 584734  
In "The Economics of Fisheries", by  
Turvey, R. & J. Wiseman (Ed.), 1957,  
FAO, Rome, 65-82  
IV. Obstacles to agreement on control  
in the fishing industry

Discussion of various problems of  
fisheries deriving basically from  
common-property tenure; the general  
problem of conservation, incl. the  
fallacy of regarding maximum sustained  
physical yield as an objective of  
conservation policy, & the consequences  
of prohibiting efficient catching  
methods as an instrument of conservation.

SJH:glk

MF

Kirby, E.S. & L.F. 584735  
Szczepanik (1957)  
In "The Economics of Fisheries", by  
Turvey, R. & J. Wiseman (Ed.), 1957,  
FAO, Rome, 83-119  
V. Special problems of fisheries in  
poor countries

Discussion of handicaps in fishery  
development, the use of resources,  
labour in fisheries, capital,  
enterprise, marketing.

SJH:glk

MF

Cassady, R., Jr. (1957) 584738  
In "The Economics of Fisheries", by  
Turvey, R. & J. Wiseman (Ed.), 1957,  
FAO, Rome, 180-214  
VIII. The marketing of fishery  
products in the United States

Description of the product & the  
market, the marketing channels for  
fish & fishery products, & consumption  
patterns for fishery products in the  
U.S., & a discussion of the future  
market for fish in the U.S.

SJH:glk

MF

Lienesch, G. (1957) 584736  
In "The Economics of Fisheries", by  
Turvey, R. & J. Wiseman (Ed.), 1957,  
FAO, Rome, 120-38  
VI. The control of North Sea fisheries

Review of the history of these  
fisheries, the establishment of the  
Permanent Commission, the Commission's  
work & the problem encountered by it.

SJH:glk

M

Björnsson, O. (1957) 584739  
In "The Economics of Fisheries", by  
Turvey, R. & J. Wiseman (Ed.), 1957,  
FAO, Rome, 215-34  
IX. Fish marketing in Iceland with  
special reference to foreign trade

Account of the role of fisheries in the  
Icelandic economy, the organization of  
Icelandic fish export, & governmental  
policy regarding this trade, & a  
discussion of research & future  
problems.

SJH:glk

M

Bowen, I. (1957) 584737  
In "The Economics of Fisheries", by  
Turvey, R. & J. Wiseman (Ed.), 1957,  
FAO, Rome, 139-79  
VII. Port markets

Description of the functions &  
operations of the port market, the  
selling methods & structure, & supply,  
cost & demand conditions affecting  
these markets, & a discussion of  
future prospects.

SJH:glk

MF

Rose, W. (Ed.) (1957) 584740  
Jørgen Fridmodt, Copenhagen, 312 p.  
Scandinavian fishing year-book - Year-  
book and directory for the European  
fish trade, 1956-57

Notes & coloured illustrations on 62  
spp.; numerous articles on the fishery  
industries of Denmark, Faroe Islands,  
Norway, Sweden, Iceland, Finland, the  
Netherlands, Germany & France.

FiB:glk

MF

Simpson, A.C. (1958) 584741  
Fish. Invest., Lond., 22(3):33 p.  
The lobster fishery of Wales

Account of past & present fishery; topographical considerations & population magnitude; yield & potentialities. Incl. discussions on extension of lobster season, & potentialities of increased crab & crawfish fishing.

FAO:efa

M

Hoar, W.S., M.H.A. Keenleyside 584744  
& R.G. Goodall (1957)  
J. Fish. Res. Bd. Can., 14:815-30  
Reactions of juvenile Pacific salmon to light

When given a choice between light & dark areas, schools of chum or pink salmon fry remain in the light, sockeye fry prefer the dark & coho fry show no marked preference for either. Methods permitted testing of preference for illuminated or darkened half of an aquarium, the effect of high light intensity combined with water current, & turbulence & of vertical light gradient.

GLK:glk

MF

Miller, R.B. (1957) 584742  
J. Fish. Res. Bd. Can., 14:797-806  
Have the genetic patterns of fishes been altered by introductions or by selective fishing?

Review of some of the literature dealing with changes in freshwater fish populations following exploitation or after introduction of exotic spp. to look for changes that could be attributed to alterations in the gene pools of the affected populations.

GLK:glk

F

Templeman, W., H.J. Squires 584745  
& A.M. Fleming (1957)  
J. Fish. Res. Bd. Can., 14:831-97  
Nematodes in the fillets of cod and other fishes in Newfoundland and neighbouring areas

Identity of the infecting organisms; final hosts; abundance of parasites in cod fillets in relation to sex & size of fish; factors affecting the intensity of Parrocaecum infection in the cod; discussion of practical steps that might be taken to reduce intensity of infection.

GLK:glk

M

Black, E.C. (1957) 584743  
J. Fish. Res. Bd. Can., 14:807-14  
Alterations in the blood level of lactic acid in certain salmonoid fishes following muscular activity. III. Sockeye salmon, Oncorhynchus nerka

The blood level of lactic acid in hatchery raised fish was studied following 15 minutes of vigorous muscular activity.

GLK:glk

MF

Steele, D.H. (1957) 584746  
J. Fish. Res. Bd. Can., 14:899-924  
The redfish (Sobastes marinus L.) in the Western Gulf of St. Lawrence

Distribution; length of fish taken age & growth & size composition; sexual cycle; seasonal variations in availability in the Fox river area; feeding habits & their relation with redfish distribution; diurnal variations in composition of catch.

GLK:glk

M

Bumpus, D.F. & al. (1957) 584747

J.Fish.Res.Bd Can., 14:931-44

A new technique for studying non-tidal drift with results of experiments off Gay Head, Mass., and in the Bay of Fundy

A transponding drift buoy has been developed to aid in the study of the horizontal motions of surface waters. Experiments to study the non-tidal drift off Martha's Vineyard, Mass., in June 1956, off Yarmouth, N.S., in October & November 1956, in Grand Manan Channel in October 1956, & off

Alverson, D.L. (1957) 584750

J.Fish.Res.Bd Can., 14:953-74

Results from tagging experiments on a spawning stock of petrale sole, Lopsetta jordani (Lockington)

Review of the history of the fishery, with statistics; discovery of deep-water fishing grounds; sampling & preliminary observations; tagging operations; discussion of results with regard to movements of the fish & effect of stock movements on the fishery.

GLK:glk

M

584747  
(Card 2)

Saint John, N.B., in December 1956, are described & discussed.

GLK:glk

M

Scott, D.M. & W.R.Martin (1957) 584751  
J.Fish.Res.Bd Can., 14:975-96

Variation in the incidence of larval nematodes in Atlantic cod fillets along the Southern Canadian Mainland

Incidence of infection is considered with regard to its geographic variation, its relation with size, its seasonal, local & annual variation.

GLK:glk

M

Barber, F.G. (1957) 584749

J.Fish.Res.Bd Can., 14:945-52

The effect of the prevailing winds on the inshore water masses of the Hecate Strait Region, B.C.

Summary description of the water masses, & discussion of the relation of their features with winds, & of their significance with respect to fish movements.

GLK:glk

M

Rochford, D.J. (1957) 584752

Aust.J.Mar.Freshw.Res., 8:369-413

The identification and nomenclature of the surface water masses in the Tasman sea (Data to the end of 1954)

Examination of all available data on hydrological characteristics permits identification of 8 water masses. Properties & general features of their season & region of occurrence & method of formation are summarized.

GLK:sjh

M

Lake, J.S. (1957) 584753  
Aust.J.Mar.Freshw.Res., 8:414-50  
 Trout populations and habitats in New South Wales

Summarises data on geography, topography & climate of trout waters. Fish growth rates; bottom fauna quantities; creel census; population & mortality estimates by tagging & age analysis. Evidence for modification of management procedures.

GLK: sjh

F

Stephenson, W., J.J. Hudson 584756  
 & B. Campbell (1957)  
Aust.J.Mar.Freshw.Res., 8:491-507  
 The Australian portunids (Crustacea; Portunidae). II. The genus Charybdis

The 12 known spp., incl. 2 new records, are described, keyed & illustrated; detailed consideration of 1st pleopods of males. Proposal for minor changes in Leene's, 1938, synonymy.

GLK: sjh

M

Nicholls, A.G. (1957) 584754  
Aust.J.Mar.Freshw.Res., 8:451-75  
 The Tasmanian trout fishery. I. Sources of information and treatment of data

First of a series dealing with status of the fishery for rainbow & brown trout, & outlining the scope of the survey scale-fish length relation; tests of jaw tags; growth temperature relation experimental selective breeding.

GLK: sjh

F

Tschapok, M. (1957) 584757  
Agrochimica, 1:236-47  
 Hydrophilicity of soil

Mechanism of hydration of particles & factors which influence the process.

ttjj

MF

George, R.W. (1957) 584755  
Aust.J.Mar.Freshw.Res., 8:476-90  
 Continuous crayfishing tests: Pelsart group, Houtman Abrolhos, Western Australia, 1953

Repetition of the 1948 test (Sheard, K., 1949, Fish.Bull.N.Aust., (5):1-33). Experimental catches of Panulirus longipes; effects of previous 4 years intensive fishing on the stock; movements of tagged crayfish. Mating & spawning; predators; food.

GLK: sjh

F

Harrold, L.L. (1958) 584758  
Agric.Engng., 39:94-7  
 Lysimeter checks on empirical evapotranspiration values

Daily evapotranspiration rates made on an irrigated weighing lysimeter, compared with those obtained by the Blaney-Criddle, van Bavel & Thornthwaite methods.

ttjj

MF

<p>Virtanon, A.I. (1957) 584759  <u>Agrochimica</u>, 1:289-304  Manuring techniques in the light of recent research on nutrition</p> <p>A review.</p>	<p>Holgeson, J.A. (1957) 584762  <u>FAO, Rome</u>, 189 p.  Methods of wood control</p> <p>Information gathered during the last 5 years covering mechanical &amp; cultural as well as chemical methods.</p>
<p>stjj F</p>	<p>stjj F</p>
<p>Vol'fkovich, S.I. (1957) 584760  <u>Bull.Acad.Sci.U.R.S.S.(chem.Sci.)</u>:661-9  Fertilizers and salts</p> <p>Review of phosphates, fluorides, nitrates, new types of salts &amp; fertilizers &amp; technological processes relating to the chemistry of soil &amp; soil culture.</p>	<p>Levon, G.V., V.R. Harrison 584763  W.C. Hess (1957)  <u>J.Amer.Wat.Wks Ass.</u>, 49:1069-76  Radioactive culture media</p> <p>Refinements are described of a tentative method of identification of coliform bacteria by growth on radioactive lactose broth whereby <math>^{14}\text{CO}_2</math> is liberated.</p>
<p>stjj F</p>	<p>stjj MF</p>
<p>Coloman, F.G. (1958) 584761  <u>Malay.agric.J.</u>, 40:200-8  Chemical control of water hyacinth in Kelantan</p> <p>Effective control by 2 sprayings with a mixed 2:4-D, 2:4:5-T formulation - 0.08 lb acid-equiv. per gal. - with an interval of 3-4 weeks between the sprays.</p>	<p>Dudal, R. (1958) 584764  <u>News Lett.I.R.C.</u>, 7(2):19-27  Paddy soils</p> <p>Discusses changes in submerged soil used for rice cultivation, classes of rice soil &amp; soil water plant relation.</p>
<p>stjj F</p>	<p>GLK:stjj F</p>

Abeling, A.W. (1957) 584765  
Copeia, (3):173-85  
The dentition of Eastern Pacific  
mulletts, with special reference to  
adaptation and taxonomy

A comparative study of the tooth  
morphology, development, & adaptation  
in the marine mullets, Mugilinae.

HR:hr

M

Briggs, J.C. (1957) 584768  
Copeia, (3):204-8.  
A new genus and two new species of  
Eastern Atlantic clingfishes

Taxonomic description of Locanogaster,  
L. chrysea & Opeatogonys cadonati with  
notes on evolution, distribution &  
subspecific relationships.

HR:hr

M

Gibbs, R.H., Jr. (1957) 584766  
Copeia, (3):185-95  
Cyprinid fishes of the subgenus  
Cyprinella of Notropis. I. Systematic  
status of the subgenus Cyprinella, with  
a key to the species exclusive of the  
lutrensis - ornatus complex

Redefines Cyprinella, shows broadly the  
interspecific relations, & provides a  
key for the identification of the sp.  
excluding the lutrensis - ornatus complex.

HR:hr

F

Blair, W.F. (1957) 584769  
Copeia, (3):208-12  
Structure of the call and relationships  
of Bufo microscaphus Cope

A study of the characteristics of the  
mating calls of B. microscaphus, B.  
americanus & B. woodhousci to determine  
additional evidence of the relation-  
ships of the spp.

HR:hr

F

Turner, C.L. (1957) 584767  
Copeia, (3):195-203  
The breeding cycle of the South  
American fish, Jonynsia lineata, in the  
northern hemisphere

Gives the results of observations of  
reproduction of the sp. under controlled  
conditions during a period of 3 years.

HR:hr

F

Ruibal, R. (1957) 584770  
Copeia, (3):212-21  
An altitudinal and latitudinal cline in  
Rana pipiens

Gives evidence of correlation of a  
clinal character, the shape of the  
snout, with altitude & latitude among  
populations from Mexico, Canada & the  
United States.

HR:hr

F

Jameson, D.L. (1957) 584771  
Copeia, (3):221-8  
Population structure and homing  
responses in the Pacific tree frog

An attempt to develop & refine some of  
the techniques used in studying the  
mechanism of homing & to formulate a  
concept of how several factors  
contribute to population structure &  
homing response in Hyla regilla.

HR:hr

F

Baldauf, R.J. (1957) 584774  
Copeia, (3):229  
Records of Ancistrodon piscivorus  
leucostoma (Troost)

An account of indications on the  
distribution of this sp.

HR:efa

MF

Antão do Carvalho, V. (1957) 584772  
Rio, Brasil, 12 p.  
A pesca do xaréu em Salvador-bahia e  
sua tradição histórica (The common  
jack fishery at Salvador-Bahia and its  
historical tradition)

Contains the description of the sp.,  
geographical distribution, biological &  
ecological observations, age determin-  
ations, description of gear & the  
fishery & production.

GLK:hr

M

Sexton, O. (1957) 584775  
Copeia, (3):229-30  
Notes concerning turtle hatchlings

Contents as per title.

HR:efa

F

Holman, J.A. (1957) 584773  
Copeia, (3):229  
Bullfrog predation on the eastern  
spadefoot, Scahiopus holbrooki

Records of stomach content analysis of  
Rana catesbeiana & possible  
explanation of predation on non-  
aquatic animals.

HR:

F

Hazzard, A.S. (1957) 584776  
Paper presented at the 47th Annual  
Convention of the International Ass.  
Game, Fish & Conserv. Commissioners,  
Las Vegas, Nevada, Sept. 9-11, 1957, 6 p.  
Administrative problems involved in  
stocking fish in public waters

Discussion of economic, social &  
biological problems concerned with  
stocking to introduce a sp. & for  
maintenance with special reference to  
sport fishing in the U.S.

WAD:wad

F

Leary, T.R. (1957) 584777  
Copeia, (3):232  
A schooling of leatherback turtles,  
Dermochelys coriacea coriacea, on the  
Texas coast

Contents as per title.

HR:hr

M

Cei, J.M. (1957) 584780  
Copeia, (3):233  
Range extension of Leptodactylus  
bufonius

Notes on occurrence & ecology of this  
sp.

HR:efa

F

Wilson, R.C. & H.O. 584778  
Rinkel (1957 )  
Spec. Sci. Rep. U.S. Fish Wildl. Serv., (238)  
Marquessas area oceanographic and  
fishery data, January-March 1957

Graphical & tabulated oceanographic &  
meteorological data, incl. qualitative  
& quantitative plankton data & amounts  
& spp. of fish caught in various  
localities in the area.

GLK:tl

M

Schroeder, R.C. (1957) 584781  
Copeia, (3):234  
Range extension of Macrochelys  
temnincki

Description of a specimen captured  
in Rock River, Illinois.

HR:efa

F

Breckenridge, W.J. (1957) 584779  
Copeia, (3):232  
A large spiny softshelled turtle

Reports record size Trionyx spinifera  
taken in Swan Lake, Minnesota.

HR:efa

F

Kanazawa, R.H. (1957) 584782  
Copeia, (3):234-5  
A new species of eel, Coloconger moadi,  
and new records for the atolepid  
fish, Ijimaia antellatum Howell Rivero,  
both from the Gulf of Mexico

Contents as per title.

HR:hr

MF

Mead, G.W. (1957) 584783  
Copeia, (3):235-7  
An Atlantic record of the zeoid fish  
Parazon pacificus

Notes on record of sp. caught off  
Cairbarian, Cuba. Incl. diagnosis of  
Parazen & its single known sp.

HR:efa

M

Lockley, A.S. (1957) 584786  
Copeia, (3):241-2  
Adrenal cortical hormones and osmotic  
stress in three species of fishes

3 spp. were used in the reported  
experiments: Gobiesox macandricus  
strictly marine, Leptocottus armatus  
armatus living under estuarine  
conditions & Carassius auratus from  
freshwater.

HR:hr

MF

Fast, T.N. (1957) 584784  
Copeia, (3):237-40  
The occurrence of the deep-sea angler-  
fish, Cryptopsaras couesii in Monterey  
Bay, California

Contents as per title.

HR:hr

M

Mather III, F.J. & R.H. 584787  
Gibbs, Jr. (1957)  
Copeia, (3):242-4  
Distributional records of fishes from  
waters off New England and the Middle  
Atlantic States

A record of eighteen spp.

HR:hr

I

Morrow, J.B. (1957) 584785  
Copeia, (3):240-1  
Fish records from Long Island Sound  
Records of capture of Salmo salar salar,  
Anarchichas lupus, & Pseudopriacanthus  
altus.

HR:hr

M

Sawyer, P.J. (1957) 584788  
Copeia, (3):244  
Laboratory care and feeding of larval  
lampreys

Describes the procedures of keeping  
larvae of Petromyzon marinus in  
laboratory.

HR:hr

MF

Welander, A.D. (1957) 584789  
Copeia, (3):244-6  
 Occurrence of the boar fish, Pseudo-  
pentaceros richardsoni, and the zeid,  
Allocyttus verrucosus, in the North  
 Pacific

Contents as per title.

HR:hr

M

Leary, T.R. (1957) 584792  
Copeia, (3):248-9  
 The bonefish, Albula vulpes, in Texas  
 Records of 3 specimens taken in Texas  
 waters.

HR:ofa

M

Backus, R.H. (1957) 584790  
Copeia, (3):246-8  
 Notes on western North Atlantic sharks  
 Records of captures of the following  
 spp.: Hexanchus griscus, Carcharodon  
carcharias, Cetorhinus maximus, Prionace  
glauca, Scoliodon tetrac-novae, Eulamia  
falciformis, E. obscura & Squatina  
dumerili, with notes on depths of  
 capture, lengths of specimens, etc.

HR:hr

M

Smith, J.L.B. (1957) 584793  
Copeia, (3):249  
 Two rapid fatalities from stonefish  
 stabs

Account of 2 fatal cases from  
Synanceja verrucosa Bloch stabs in ISW.

HR: f.

M

Fitzgerald, J.W. (1957) 584791  
Copeia, (3):248  
 Range extension for the western mud-  
 minnow, Novumbra hubbsi Schultz  
 Contents as per title.

HR:hr

F

Reed, R.J. (1957) 584794  
Copeia, (3):250  
 The prolonged spawning of the rosyside  
 shiner, Notropis rubellus (Agassiz), in  
 northwestern Pennsylvania

Contents as per title.

HR:hr

F

Komp, R.J., Jr. (1957) 584795  
Copeia, (3):250-1  
Occurrence of the ocean sunfish, Mola  
mola (Linnaeus), in Texas

Notes on occurrence of sp. in the  
Gulf of Mexico.

HR:ufa

M

Mathias, A.P., D.M. Ross 584798  
& M. Schachter (1957)  
Nature, Lond., 180:658-9  
Identification and distribution of 5-  
hydroxytryptamine in a sea anemone

Describes occurrence in Calliactis  
parasitica, lists occurrence in other  
organisms, & reports authors inability  
to find it in Metridium senile &  
Anomonia sulcata.

GLK:wad

M

Pillsbury, R.W. (1957) 584796  
Copeia, (3):251-2  
Avoidance of poisonous eggs of the  
marine fish Scorpaenichthys marmoratus  
by predators

Contents as per title.

HR:hr

M

Rennie, P.J. (1957) 584799  
Nature, Lond., 180:663-4  
Effect of the afforestation of  
catchment areas upon water yield

Discusses the effect of increased  
transpiration & percolation on  
catchment water yield with special  
reference to Calluna moor in Yorkshire.

GLK:tjj

F

Medcof, J.C. (1957) 584797  
Copeia, (3):252-3  
Nuptial or pre-nuptial behaviour of the  
shad, Alosa sapidissima (Wilson)

Contents as per title.

HR:hr

MF

Deacon, G.M.R. (1957) 584800  
Nature, Lond., 180:1007-8  
Physical oceanography

Review of 570429.

GLK:

M

<p>Wordie, J.M. (1957) 584801  <u>Nature, Lond.</u>, 180:1023  Prof. H.U. Sverdrup</p> <p>Obituary &amp; short biography of this oceanographer.</p> <p>GLK:sjh M</p>	<p>Freeman, R.F.H. (1957) 584804  <u>Nature, Lond.</u>, 180:1213-4  <u>Paravortex scrobiculariae</u> (Graff) in Great Britain</p> <p>First record in Great Britain of the occurrence of this vorticid rhabdocoel from the lamellibranch <u>Scrobicularia</u>.</p> <p>GLK:wad M</p>
<p>Soulsby, R.J.L. &amp; A.R. 584802  Jennings (1957)  <u>Nature, Lond.</u>, 180:1057-8  A new species of coccidium, (<u>Mimeria rissae</u> n.sp. Mimeriidae, Sporozoa) from the Kittiwake, <u>Rissa tridactyla tridactyla</u> (L.)</p> <p>Infection might have been from fish, or from other sea-birds.</p> <p>GLK:sjh M</p>	<p>Ingham, S.M. (1957) 584805  <u>Nature, Lond.</u>, 180:1215-6  Elephant seals on the Antarctic continent</p> <p>1st records of <u>Mirounga leonina</u> (L.) away from their known brooding grounds.</p> <p>GLK:wad M</p>
<p>Brattström, H. (1957) 584803  <u>Nature, Lond.</u>, 180:1159-61  University of Bergen - New laboratory buildings of the biological station</p> <p>History &amp; description of the Biological Station, Espogrend, near Bergen, Norway, primarily a visitors research laboratory but which also gives courses in botany, zoology &amp; marine biology.</p> <p>GLK:wad M</p>	<p>Jubb, R.A. (1957) 584806  <u>Nature, Lond.</u>, 180:1216  The freshwater eel <u>Anguilla obscura</u> Gunther, 1871, in southern Africa</p> <p>1st record here - Buffalo River drainage, Cape Province - of a Pacific sp. not previously reported west of New Guinea together with notes on other eels in this drainage.</p> <p>GLK:wad F</p>

Ross, D.M. (1957) 584807  
Nature., Lond., 180:1368-9  
Responses of Corianthus to  
stimulation

Describes the results of some  
stimulation experiments on the spp. of  
Corianthus found at Naples, C. membra-  
naccus & C. viridis.

CLK:wad

M

Burgon, A.S.V. & S.W. 584810  
Kuffler (1957)  
Nature, Lond., 180:1490-1  
Two inhibitory fibres forming synapses  
with a single nerve cell in the lobster  
Experiments with Homarus vulgaris.

CLK:wad

M

Horridge, G.A. (1957) 584808  
Nature., Lond., 180:1369-70  
Responses of Corianthus to  
stimulation

Experiments on & discussion of  
stimulation in Corianthus with respect  
to its histology.

CLK:wad

M

Burnstock, G. (1957) 584811  
Nature, Lond., 180:1491-2  
A 'window' technique for observing  
fish viscera in vivo

Describes a method used for Salmo  
trutta & lsox lucius.

CLK:wad

F

Bono, Q. (1957) 584809  
Nature, Lond., 180:1462-4  
The problem of the 'amphioxides' larva  
A review of the question.

CLK:wad

M

Trueman, B.R. (1957) 584812  
Nature, Lond., 180:1492  
Mucous gland cells of the outer mantle  
Epithelium of Arca noae  
Histological investigations.

CLK:wad

M

Thomas, J.D. (1957) 584813  
Nature, Lond., 180:1492-3  
Occurrence of Crepidostomum metoecus  
(Braun, 1900) in Britain

1st record in Britain. List of hosts,  
Salmo salar, S. trutta & Anguilla  
anguilla, infested with C. farionus  
& C. metoecus. Differences between the  
2, etc.

GLK:wad

MF

Allison, L.N. (1957) 584816  
Progr.Fish-Cult., 19:108-11  
Variation in strength of pyridyl-  
mercuric acetate technical and its  
effect on rainbow trout

Results of exposure to different  
brands & dilutions of the chemical.

GLK:tjj

F

Snieszko, S.F. & G.L. 584814  
Bullock (1957)  
Progr.Fish-Cult., 19:99-107  
Determination of the susceptibility of  
Aeromonas salmonicida to sulfonamides  
and antibiotics, with a summary report  
on the treatment and prevention of  
furunculosis

Studies on drug resistance by this  
pathogenic bacterium affecting trout.

GLK:tjj

F

Anonymous (1957) 584817  
Progr.Fish-Cult., 19:111  
New use for salt being investigated

In measuring stream volumes &  
velocities, reducing electric  
resistivity & facilitating electro-  
fishing.

GLK:tjj

F

Anonymous (1957) 584815  
Progr.Fish-Cult., 19:107  
An even-flow liquid toxicant dispenser

GLK.

F

Halver, J.L. & J.A. 584818  
Coates (1957)  
Progr.Fish-Cult., 19:112-8  
A vitamin test diet for long-term  
feeding studies

Use of Wolf's composition of  
commercial casein, potato starch,  
gelatin minerals, hydrogenated cotton-  
seed oil, cod liver oil & crystalline  
vitamins for fat-soluble vitamin  
studies.

GLK:tjj

F

Anonymous (1957) 584819  
Progr.Fish-Cult., 19:118  
The mounting of echo-sounding  
equipment

GLK: F

Anonymous (1957) 584822  
Progr.Fish-Cult., 19:127  
Silversides planted in Uruguay

GLK: F

Phillips, A.M., Jr. & 584820  
D.R. Brockway (1957)  
Progr.Fish-Cult., 19:119-23  
The nutrition of trout. IV. Vitamin  
requirements

Discusses needs of water soluble &  
fat soluble vitamins.

GLK:tjj F

Allison, R. (1957) 584823  
Progr.Fish-Cult., 19:128-30  
A preliminary note on the use of di-n-  
butyl tin oxide to remove tapeworms  
from fish

Observation of 100% efficiency  
against Corollobothrium fimbriatum &  
Alloglossidium corti in Ictalurus  
lacustris punctatus & Micropterus  
salmoides.

GLK:tjj F

Scidmore, W.J. (1957) 584821  
Progr.Fish-Cult., 19:124-7  
An investigation of carbon dioxide,  
ammonia, & hydrogen sulfide as factors  
contributing to fish kills in ice-  
covered lakes

Water analysis' data from 6 south  
Minnesota lakes correlated with fish  
kills.

GLK:tjj F

Anonymous (1957) 584824  
Progr.Fish-Cult., 19:130  
Sodium seconal as a sedative for fish

GLK:tjj F

<p>Horton, H.F. (1957) 584825  <u>Progr.Fish-Cult.</u>, 19:131-3  Effect of <u>Rauwolfia</u> alkaloids on the oxygen consumption rate of hatchery-reared rainbow trout</p> <p>A negative finding.</p> <p>GLK:tjj F</p>	<p>Seaburg, K.G. (1957) 584828  <u>Progr.Fish-Cult.</u>, 19:137-9  A stomach sampler for live fish</p> <p>Constructional details, operation of a flushing sampler dimensions for different sizes of various fish.</p> <p>GLK:tjj F</p>
<p>Anonymous (1957) 584826  <u>Progr.Fish-Cult.</u>, 19:133  Study of tissue in pancreatic necrosis</p> <p>Effect of inoculating growing cultures of trout tissue with saline tissue extract from affected fish.</p> <p>GLK:tjj F</p>	<p>Loudor, D.E. &amp; W.M. 584829  Lewis (1957)  <u>Progr.Fish-Cult.</u>, 19:140-1  Study of a stocking of the redear and bluegill in southern Illinois</p> <p>Observation on their compatibility for rearing with bass, based on crook census, spillway escape &amp; growth studies.</p> <p>GLK:tjj F</p>
<p>Pochacok, L.S. &amp; C.L. 584827  Sowards (1957)  <u>Progr.Fish-Cult.</u>, 19:134-6  Carrying rack for outboard boats and motors</p> <p>GLK: F</p>	<p>Anonymous (1957) 584830  <u>Progr.Fish-Cult.</u>, 19:141  Effect of subsurface percolation on water treated with rotenone</p> <p>A negative find.</p> <p>GLK:tjj F</p>

Hanson, D.F. (1957) 584831  
Progr.Fish-Cult., 19:142-3  
Use of stako-type boat anchors in wing-  
net fishing

A labour saving device described.

GLK:tjj

F

Shiraishi, Y. (1957) 584834  
Bull.Freshw.Fish.Res.Lab.,Tokyo, 7(1):  
Feeding habit of pond-smolt, Hypomesus  
olidus and plankton succession in lake  
Suwa (Pt. 1)

Studies on feeding habits of Cyprinus  
carpio & Carassius auratus, chemical  
fertilization & intensive feeding on  
production.

FiB:wad

F

Perkins, F.M. (1957) 584832  
Progr.Fish-Cult., 19:144  
A field technique for obtaining samples  
of fish blood serum

Describes a simple device of a Pasteur  
pipette with a bafflo.

GLK:tjj

F

International Pacific Salmon 584835  
Fisheries Commission (1957)  
Now Westminister, Canada, 32 p.  
Annual report 1956

Account of the activities of the  
Commission, incl. meetings & research  
carried out. Future programmes;  
statistics of sockeye salmon catches  
by country, gear, area & time - days,  
months, years. Fry survival, watershed  
protection.

HR:sjh

MF

Shimadate, M. & al. (1957) 584833  
Bull.Freshw.Fish.Res.Lab.,Tokyo, 7(1):  
1-31

(Effect of fertilization and  
significance of artificial feeding to  
fish production in farm pond, Shioda  
Plain, Nagano Prefecture). Ni En

Limnology of the lake & biology of  
this smelt.

FiB:wad

MF

Crossland, C. (1957) 584836  
Aust.J.Mar.Freshw.Res., 8:111-30  
The cultivation of the mother-of-pearl  
oyster in the Red Sea

Abbreviated form of manuscript  
prepared following 16 years work at  
Dongonab Bay, in an attempt to  
establish a pearl oyster cultivation  
industry. The environmental conditions,  
the spp. of oysters & the detailed  
biology of Pinctada margaritifera (L.),  
the spp. used for the experiments, are  
discussed.

GLK:sjh

M

Edmonds, S.J. (1957) 584837  
Aust.J.Mar.Freshw.Res., 8:131-5  
 The catabolism of nitrogen compounds in  
Dendrostomum cymodoceae Edmonds  
 (Sipunculoidea)

Analysis of the quantities & form of  
 non-protein nitrogen in excretory  
 products of floating specimens.  
 Comparison with results for Sipunculus  
nudus & other invertebrates.

GLK:sjh

M

James, A. (1958) 584840  
New Commonwealth, 35(9):411-3  
 Coastal fishing in Nigeria

Discussion of influence of introduction  
 of powered craft & other innovations.

sjh

N

Dall, W. (1957) 584838  
Aust.J.Mar.Freshw.Res., 8:136-231  
 A revision of the Australian species of  
 Penaeinae (Crustacea decapoda;  
 Penaeidae)

28 spp., incl. 6 new spp., described  
 & figured. Gives keys to genera & spp.,  
 a glossary of special terms &  
 discussion of zoogeography of the  
 group in Australian & Indo-West  
 Pacific regions.

GLK:sjh

M

Anonymous (1958) 584841  
Background to Uganda, 181:1-2  
 Uganda; fisheries

Review of status of industry;  
 discussion of activities of the Game &  
 Fisheries Dep. & E. African Fisheries  
 Research Organization.

sjh

F

Van Oosten, J. (1957) 584839  
National Wildlife Federation,  
Washington, D.C., 2 p.  
 The lake sturgeon

General description of morphology,  
 biology & fishery with discussion of  
 the decline in its abundance & the  
 causes thereof.

GLK:glk

F

Doufol, J. (1958) 584842  
Fischwirt, 8:211-6  
 Versuche mit T-Vitamin-Gootsch bei der  
 infektiösen Nierenschwellung und Lober-  
 degeneration (Investigations with  
 T-vitamin-Gootsch on infectious swelling  
 of the kidney & liver degeneration)

Contents as per title.

FAO:dr

MF

Mann, H. (1958) 584843  
Fischwirt, 8:217-20  
 Fischereischäden durch Maikäferbekämpfungsmittel (Injury to fish caused by cockchafer control)

Describes investigations on the harmful effect of several chemical products used for the control of Melolontha vulgaris.

FAO:dr

F

Liodor, U. (1957) 584846  
Dtsch.FischZtg., 4:206-13  
 Die Bewertung der Beschuppung des Karpfens bei der Zuchtauslese (Significance of scale pattern of carps in selective breeding)

Describes scale patterns in different varieties & discusses their significance in selective breeding & the advantages of scales uniformity facilitating locomotion.

FAO:tjj

F

Anonymous (1958) 584844  
Fischwirt, 8:221-2  
 Die Giftigkeit von synthetischen Detergenzien für Regenbogenforellen (The poisonous effects of synthetic detergents on rainbow trout)

Reference of an article published in The water and waste treatment journal, 6(9):394-7, 1957.

FAO:dr

F

Kirpichnikov, V.S. (1957) 584847  
Dtsch.FischZtg., 4:213-6  
 Karpfenzucht im Norden der UdSSR (Carp breeding in the North of USSR)

Descriptions of difficulties encountered, investigations carried out & the spp. cultured in ponds & lakes, extending the known bounds of carp culture beyond the 56th parallel.

FAO:tjj

F

Wunder, W. (1958) 584845  
Fischwirt, 8:222-5  
 Zur Erforschung und Bekämpfung der Bauchwassersucht (Investigation on and combat of dropsy)

Review of the knowledge of dropsy.

FAO:dr

F

Broadfoot, W.M. (1958) 584848  
Miss.Gamo Fish, 21(12):6  
 Study effects of impounded water on trees

Observations continued for more than 3 years on the reaction of trees to temporary shallow impoundments built mainly to attract waterfowl.

FAO:tjj

F

Freedman, B. (1958) 584849  
Miss. Game Fish, 21(12):7  
Second year of shad control on Bluff lake  
Describes briefly the effect of applying  
selective poison in 1958.

FAO:tjj

F

The Challenger Society (1958) 584850  
Challenger Soc., 3(10):38 p.  
Annual report

Officers, rules & membership of the  
society with addresses, administrative  
& financial report, abstracts of papers  
read at joint meetings.

FAO:glk

M

Gehr, M. (1958) 584851  
Ost.Fisch., 11:109-15  
Vom Hechtei zum Vollhecht (From pike  
egg to complete pike)

Brief & popular description of an  
investigation on the development of the  
egg & fry of pike, Esox lucius; ill.

FAO:dr

F

Minske, W. (1958) 584852  
Ost.Fisch., 11:115-7  
Biotechnische Hinweise zur Frage der  
Erbrütung von Hechteiern und zur Frage  
des Transportes und Aussetzens von  
Hechtsetzlingen (Bio-technical  
notes on the hatching of eggs and the  
transport and stocking of pike-fry)

With respect to Esox lucius, covers:  
the improved method of dry-fertilization,  
fundamental rules for the transport of  
fry, & the stocking of fry.

FAO:dr

F

Wunder, W. (1958) 584853  
Ost.Fisch., 11:120-3  
Versuchte Karpfenteichwirtschaften  
können bei planmässigen, konsequentem  
Vorgehen sicher saniert werden  
(Infection in carp farms can be  
eradicated by application of a  
consequent treatment)

Resumé of reports concerned with  
ascites.

FAO:dr

F

Lewis, A.J. (1958) 584854  
Canad.Fisherm., 45:15, 17  
Rational design of fishing gear

Description of measurement of the net  
& of its shape in operation.  
Discussion of fishermen's views on the  
reaction & behaviour of fish to gear, &  
of the choice of gear, with  
reference to vessel & grounds.

:glk

M

Haines, R.G. (1958) 584855  
World Fish., 7:39-41  
Asdies for fish detection. II

Operation & use of the equipment;  
characteristics of fish shoal echo &  
identification of this among other  
echoes.

:glk

M

Anonymous (1957) 584858  
J.Amer.mod.Ass., 163:118-9  
Poisonous fish

Discussion of ichthyosarcotoxism. Types  
of fish, consumption of which causes  
the poisoning; the symptoms & effects;  
prognosis; treatment; precautionary  
measures.

:glk

M

Wentworth, J. & L. Harvyc (1958) 584856  
Food Res., 23:194-7  
Riboflavin, niacin, and thiamine in  
Apalachicola Bay oysters

Oysters are affected by the season of  
the year, the salinity of the water, &  
the temperature of the environment.  
This study of oysters was made: 1) to  
follow seasonal variations that occur  
in the amounts of riboflavin, niacin,  
& thiamine & 2) to determine the  
relation between the amounts of certain  
vitamins of the B complex & other  
factors incl. dry matter & protein.

:glk

MF

Henson, P.R. & J.L. 584859  
Stophons (1958)  
Emrs' Bull.U.S.Dep.Agric., (2114):12 p.  
Lupines, culture and use

Briefly describes "bitter" (toxic) &  
"sweet" varieties of Lupinus angusti-  
folius, L.luteus & L. albus, cultivation  
in Florida, used for green manure,  
winter grazing, silage crop etc.,  
diseases & farming technique. Lupines  
may be used as food in pond culture.

FAO:tjj

F

Anonymous (1958) 584857  
Chem.Engng News, 36:70  
Deadly mix

Discussion of the toxicity of chemical  
wastes combined with seawater, with  
special reference to resultant pH;  
types of wastes are listed & discussed;  
experimental findings in San Francisco  
Bay are reported & conclusions  
presented as to the cause of some  
observed mortality.

:glk

MF

Sundharagati, B. (1957) 584860  
Thai Sci.Bull., 8(1):25  
Vitamin A content of the local shark  
liver oil (in Thai)

Abstr. of p. 128, Collected papers,  
Science Conference 1950, Science  
Society of Thailand.

FAO:sjh

M

Hewer, H.R. (1957) 584861  
Proc.zool.Soc.Lond., 128(1):23-66  
 A hebridean breeding colony of grey  
 seals, Halichoerus grypus (Fab.), with  
 comparative notes on the grey seals of  
 Ramsey Island, Pembrokeshire

An account is given of the various  
 phases of breeding behaviour of both  
 cows & bulls on the island of Shillay,  
 Outer Hebrides. An attempt is made to  
 draw up a life-table compatible with the  
 known vital statistics. The more serious  
 gaps in our knowledge of the population  
 dynamics of this sp. are noted.

:hr

M

Chemical Insecticide 584864  
 Corporation (1958)  
Metuchen, N.Jersey, 13 p.  
 Chem.fish synergized

A brochure describing properties of  
 rotenone emulsives & their use for  
 control of fish populations.

FiB:sjh

F

Moore, J.C. & F.G. 584862  
 Wood, Jr. (1957)  
Amer.Mus.Novit., (1831):1-25  
 Differences between the beaked whales  
Mesoplodon mirus and Mesoplodon  
gervaisi

Contents as per title.

:hr

M

Philippines. Bureau of 584865  
 Fisheries (1957)  
Manila, 62 p.  
 Fisheries statistics of the  
 Philippines, 1956

Production, consumption, & projected  
 requirements of marine & inland  
 products, by month, year, area, spp.,  
 & gear type. Inventory of craft & gear  
 & their operations; trade. Appendices  
 give maps & forms used for statistical  
 collection.

GLK:sjh

MF

Tavolga, M.C. & F.S. 584863  
 Essapian (1957)  
Zoologica, N.Y., 42(1):11-31  
 The behaviour of the bottle-nosed dolphin  
 (Tursiops truncatus): mating, pregnancy,  
 parturition and mother-infant behaviour

Contents as per title.

:hr

von Geldern, C.E. & J.H. 584866  
 Wales (1957)  
Inform.Leafl.Inland Fish., (19):6 p.  
 Longevity and age at maturity of trout

Tabular summary of information on  
 maximum observed life-span, range of a  
 model age at 1st spawning in different  
 localities, of 11 spp. & sub-spp. of  
Salmo & Salvelinus.

WAD:sjh

MF

Washington (State) Department 584867  
of Fisheries (1957)

7 p.  
Skokomish River salmon rehabilitation

Outlines a set of proposals for fisheries facilities, incl. hatchery development & flow & temperature regulation; to offset the effect on Pacific salmon, Oncorhynchus, of power development by the city of Tacoma, Washington.

FiB:wad

MF

Sandon, H. (1957) 584870

New Biol., 24:7-32

Neglected animals - The foraminifera

General ill. review of the biology & ecology of group.

GLK:sjh

M

Mozzi, C. (1957) 584868

Consiglio Nazionale delle Ricerche,  
Roma, 13 p.

Programma e istruzioni per le raccolte di plancton durante l'Anno Geofisico Internazionale 1957-58 (Programme & instructions for plankton collection during the International Geophysical Year 1957-58)

Instructions for plankton collection in Italy during seasonal cruises & by some coastal stations.

GLK:hr

M

Chippindale, H.G. (1957) 584871

New Biol., 24:33-49

The effects of the floods of 1953 on the agriculture of Eastern England

Flooding by sea water of coastal areas in Feb. 1953 was greatest natural catastrophe affecting ecology of Britain in historical times. Origins of floods; interactions with fresh-waters & soils.

GLK:sjh

MF

Plat, J.G. (1957) 584869

Consudel, 14(9):396-400

Producten uit rode en bruine wieren (II).  
Japanse agar-agar naar het Westen  
(Produce from red & brown sea-weeds. II.  
Japanese agar-agar for the West)

Distinction between agar-agar, from Gelidium, Gracilaria varieties & other red seaweeds & the agaroids. Definition of gelatin concentration. The winning & preparation of agar-agar in Japan. More than 30 different kinds of sea-weeds are processed in Japan, but only a few yield agar-agar.

:hb

M

Fox, H. Munro (1957) 584872

New Biol., 24:60-77

Haemoglobin in crustacea

Ill. account of occurrence of haemoglobin in solution in plasma of *Daphnia*, other entomostraca & barnacles. Its function; relation between concentration & O<sub>2</sub>-concentration; mode of excretion; synthesis & breakdown in parasites & in tissues, relation to presence of cytochrome. - see 570544.

GLK:sjh

MF

Dawson, C.E. (1957) 584873  
Spec. sci. Rep. U.S. Fish Wildl. Serv., (231)

24 p.

Studies on the marking of commercial shrimp with biological stains

Review of problem & past work; description of techniques of handling shrimp & of conducting experiments. 33 stains were tested on Penaeus setiferus, P. aztecus & P. duorarum, by immersion, injection & feeding.

WAD:glk

MF

Italy. Istituto Centrale 584876  
di Statistica (1957)

Roma, 107 p.

Statistica della pesca e della caccia, 1956 (Fishing and hunting statistics, 1956)

Monthly & yearly production of fish & shellfish from sea, lagoons & fresh-water, by spp. groups, area; statistics of number of craft, gears & men & their operations; licences, values of catches.

FiB:sjh

MF

Kesteven, G.L. (1957) 584874  
New Biol., 24:109-17

Science and food production - The Food & Agriculture Organization of the United Nations

Account of origins, functions, organizational structure & work programmes of FAO; with selected bibliography.

GLK:sjh

MF

Tiews, K. (1957) 584877

In "Krebs- & Muschel-tiere" by Meyer-Waarden, P.F. & K. Tiews, Arb.dtsch. FischVerband., 8:55 p.  
I. Krebstiere (I. Crustaceans)

Biology of the shrimp, its value as food, economic importance, fishing gears & techniques; harbours & fishing fleet, catch; similar information, in less detail, on the crab.

FiB:glk

Western Australia. Fisheries 584875  
Department (1957)  
Monthly Service Bulletin, (12) 154-62

Notes on staff, summary of & comment on 9th Annual Report of C.S.I.R.O. for the year ending 30/6/57; an article on "Patterns of Fisheries Development" by A.J. Fraser, deliveries of trout fry; reprint of "The Case against World-wide Uniformity for the Marginal Sea", by M.W. Allen, from West.Fish., Sept. 1957, notes on fisheries developments in other countries.

GLK:sjh

MF

Ishiyama, R. (1958) 584878  
Fish. Sci. Coll. Fish., 7(2-3):394 p.  
Studies on the rajid fishes (Rajidae) found in the waters around Japan

Comprehensive account, chiefly taxonomic, which however, reviews the comparative anatomy of the group exhaustively & gives notes on age & growth & some zoogeographical remarks.

FAO:glk

MF

Daugherty, A.M. (1957) 584879  
Outd. Calif., 18(10):3, 7  
Whales and dolphins - A few notes about  
the giant of the sea and his clowning  
kin, the porpoise

Contents as per title.

WAD:hr

M

Cartwright, D.M. & L.J. 584882  
Rydill (1957)  
Trans.Inst.nav.Archit., 99:100-35  
The rolling and pitching of a ship at  
sea - Direct comparison between  
calculated and recorded motions of a  
ship in sea waves

Analysis of the relation between  
rolling & pitching of a ship at sea  
& the waves recorded simultaneously by  
a shipborne wave recorder. The method  
is based primarily on spectral  
analysis by means of an automatic  
Fourier analyser, but is extended to  
show the connection between the

Dawbin, W.H. (1957) 584880  
Gaz.Univ.Sydney, 1:192-3  
Marking whales in the Pacific Ocean

A note on humpback whale marking in  
the area of the Tongan Islands.

GLK:hr

M

584882  
(Card 2)  
spectra of ship motions & their  
statistical properties.



:glk

M

Marr, J. (1957) 584881  
Norsk Hvalfangsttid., (4):181-2  
Further comments on the occurrence of  
Euphasia superba in a humpback whale  
caught off southern Queensland

Contents as per title.

Longuet-Higgins, M.S. (1957) 584884  
Proc.Camb.phil.Soc., 53(1):226-9  
On the transformation of a continuous  
spectrum by refraction

Statement & proof of the rule  
governing the transformation of the  
2-dimensional spectrum function of  
a wave disturbance undergoing  
refraction.

:glk

M

:glk

M

Longuet-Higgins, M.S. (1957) 584885  
Proc.Camb.phil.Soc., 53(1):230-3  
On the velocities of the maxima in a  
moving wave-form

Demonstration that the statistical  
distributions of the velocities of zero-  
crossings & of the maxima & minima of a  
random moving wave form are to some  
extent arbitrary, depending on how the  
points of observation are selected.

:glk

M

Deacon, G.E.R. (1957) 584888  
Times Sci.Rev., 8 p.  
Physics of the oceans

Semi-popular article dealing with waves,  
long waves, tides, currents, & deep  
currents, & the equipment used for  
observation of these phenomena.

:glk

M

Tucker, M.J. (1957) 584886  
Brit.J.appl.Phys., 8:137-42  
The analysis of finite-length records  
of fluctuating signals

Discussion of the problem of estimating  
the characteristics of a signal from  
a record of finite length by Fourier-  
type analysis or direct measurement,  
with special reference to the accuracy  
of estimates of the power spectra &  
r.m.s. amplitudes of stationary random  
Gaussian processes.

:glk

M

Anonymous (1957) 584889  
Brit.Commun.Electron., 1 p.  
Electronic flash illuminates the deep  
ocean

Brief description of apparatus & its  
use.

:glk

M

Deacon, G.E.R. (1957) 584887  
Sci.Progr., 45:75-86  
Physical oceanography

Reports oceanographic surveys,  
investigations on energy interchange  
between the atmosphere & oceans, waves,  
long waves & storm surges, surface  
currents, deep-water circulation, the  
tides, & the earth below the sea.

:glk

M

Darbyshire, J. & M.Darbyshire (1957) 584890  
Quart.J.R.met.Soc., 83(355):93-102  
Seiches in Lough Neagh

Description of layout of recording  
stations & apparatus, analysis of  
periods, & their theoretical  
determination, analysis of amplitudes,  
comparison with meteorological conditions.

:glk

M

Cox, R.A. (1957) 584891  
J.sci.Instrum., 34:122-3  
A technique for hardening beryllium copper

Immersion in boiling benzyl benzoate is a simple & effective means of hardening beryllium copper.

:glk

M

Longuet-Higgins, M.S. (1957) 584894  
Proc.phys.Soc.Lond., 70:559-65  
A statistical distribution arising in the study of the ionosphere

An approximate distribution is deduced for the directions of the 'lines of maxima' on a random surface. The theoretical distribution is compared with some experimental results obtained previously by other workers.

:glk

M

Deacon, G.E.R. (1957) 584892  
Proc.roy.Soc.Edin., 44Pt.4:350-68  
Marine research - The work of the National Institute of Oceanography

Brief account of the establishment of the Institute & description of its activities & external relations.

:glk

M

Charnock, H. & J. Crease (1957) 584895  
Sci.Progr., 45:494-511  
Physical oceanography

Deals with North Sea surges: observational data, forecasting from meteorological data, theoretical aspects, propagation, their generation.

:glk

M

Laughton, A.S. (1957) 584893  
Geophysics, 22:233-60  
Sound propagation in compacted ocean sediments

Experiments were made in the laboratory to measure the velocity of propagation of compressional & transverse elastic waves in ocean sediments while under varying conditions of compacting pressure.

:glk

M

Darbyshire, J. (1957) 584896  
Quart.J.R.met.Soc., 83(357):351-9  
Attenuation of swell in the North Atlantic Ocean

Waves recorded in the decay area by a ship-borne wave recorder on o.v.s. WEATHER EXPLORER are compared with estimates of waves in the generating area; & a study made of the decrease of height due to loss of wave energy & the broadening of the wave front.

:glk

M

Deacon, G.E.R. (1957) 584897  
Scotsman, July 1:2 p.  
Charting the waves and currents -  
Many pressing problems for the  
oceanographers

Popular account of oceanography in the  
IGY.

:glk

M

Carpenter, K.J. (1958) 584898  
J.agric.Sci., 50(1):113  
A note on the chemical composition of  
fish meals used in a hatchability  
experiment

Contents as per title.

FAO:ofa

MF

Conseil Permanent International 584899  
pour l'Exploration de la Mer  
Hydrographical Committee (1957)  
3 p.  
Report from the sub-committee for  
considering standard methods for  
salinity determinations

Report of the activities of the  
committee. Essential requirements &  
limitations of different method for  
determination of salinity. Description  
of the modified Mohr-Knudsen titration.  
Review of reports on methods of  
salinity determination in different  
countries.

TL:tl

I

Steele, J.H. (1957) 584900  
Conseil Permanent International pour  
l'Exploration de la Mer, Hydrographical  
Committee no. 56, 3 p.  
A hypothesis about discontinuity  
layers

Explanation of a mechanism which would  
lead to the formation of discontinuity  
layers. Hypothesis is based on linear  
relation between mixing & stability with  
zero turbulence at a particular value of  
stability.

TL tl

Dietrich, G. (1957) 584901  
Conseil Permanent International pour  
l'Exploration de la Mer, Hydrographical  
Committee no. 37, 2 p.

Oceanographic problems to be investigated  
on the research cruises of ANTON DOHRN  
and GAUSS during the International  
Geophysical Year 1957-58

Review of the present knowledge & the  
planned investigations by German ships  
of the following problems: 1) Bottom  
topography: a) shelf region along the  
south-east coast of Greenland; b) Mid-  
Atlantic Ridge. 2) Surface circulation:

584901  
(Card 2)  
a) Branches of the Gulf Stream; b)  
Oceanic Polar Front. 3) Deep-water &  
bottom water circulation in North  
Atlantic Ocean.

TL:tl

M

Craig, R.M. (1957) 584903  
Conseil Permanent International pour  
l'Exploration de la Mer, Hydrographical  
Committee no. 38, 6 p.

A sea drift-indicator and observations in Scottish waters

Description of a simple drift indicator used for investigation of the drift of herring larvae from the spawning grounds first few weeks after hatching several tes were also reported where it is shown that the drift of the indicator is not seriously biased by wind force.

TL:tl

M

Zaitsev, G.N. (1957) 584906  
Conseil Permanent International pour  
l'Exploration de la Mer, Hydrographical  
Committee no. 91, 4 p.

Preparation of dynamic charts for seas with a complex pattern of tidal circulation (featuring the Norwegian sea)

A modification of Defant's method for preparation of dynamic charts to the seas having a complex tidal pattern. The errors caused by the tidal fluctuation on dynamic heights have been eliminated. An example of a dynamic chart of the Norwegian sea prepared by this method has been presented.

TL:tl

M

Carruthers, J.N. (1957) 584904  
Conseil Permanent International pour  
l'Exploration de la Mer, Hydrographical  
Committee, 45th Statutory Meeting, 5 p.  
 The simple measurement of deep bottom currents including any cold water creep over Arctic/Atlantic Ridges

Description of a simple inexpensive but reliable device for measuring bottom currents.

TL:tl

M

Joseph, J. (1957) 584907  
Conseil Permanent International pour  
l'Exploration de la Mer, Hydrographical  
Committee, 8 p.

The turbidity in the Irminger sea in summer 1955 and its hydrographic background

Short description of the instrument & its use. Distribution of the turbidity in Irminger sea & its relation to other hydrographical elements. Description of the overflow over Iceland - Greenland ridge & the possible upwelling on this ridge.

TL:tl

M

Sedyh, K.A. & R.N. (1957) 584905  
 Sarynina (1957)  
Conseil Permanent International pour  
l'Exploration de la Mer, Hydrographical  
Committee no. 108, 9 p.

Hydrological conditions in the Barents sea in 1956

Description of the general temperature changes in Barents & Norwegian seas & general description of hydrographical conditions & their seasonal changes in Barents sea during 1956. Distribution of cold- & warm-water forms of plankton is also given.

TL:tl

M

Soskin, I.M. (1957) 584908  
Conseil Permanent International pour  
l'Exploration de la Mer, Hydrographical  
Committee no. 68, 10 p.

Long-term variations of the hydrographical characteristics in the Baltic

Analyses of the long term changes in water-exchange through the Danish Straits & the changes of salinity & temperature in the deep water in the Baltic & the effect of these changes on the biology of this sea during last 50 years.

TL:tl

M

Raymont, J.E.G. & B.G.A. 584909  
Carrie (1958)  
Challenger Soc., 3(10):19  
Quantitative studies on the zooplankton  
of Southampton water

Abstr. of paper read at Joint Meeting  
of the Department of Zoology, the  
University, Southampton, 17th-19th July,  
1957. An account of seasonal  
occurrence of zooplankton populations  
& discussion of effect of rainfall &  
run-off from land.

FAO:efa

M

Adams, M.W.B. & J.E.G. 584912  
Raymont (1958)  
Challenger Soc., 3(10):20-1  
Studies on the mass culture of Phaeo-  
dactylum

Abstr. of paper read at the Joint  
Meeting of the Department of Zoology,  
the University, Southampton, 17th-19th  
July, 1957. Account of observations made  
on the uni-algal cultures grown in  
concrete tanks & glass battery jars in  
Poole Generating Station premises.

FAO:efa

M

Oliver, J.H. (1958) 584910  
Challenger Soc., 3(10):19-20  
A phosphate cycle of inshore waters

Abstr. of paper read at Joint Meeting  
of the Department of Zoology, the  
University, Southampton, 17th-19th July,  
1957. Reports investigations on ferrous-  
ferric phosphate cycle in shallow waters  
& its particular value to bottom micro-  
flora on mud.

FAO:efa

M

Hendey, N.I. (1958) 584913  
Challenger Soc., 3(10):21  
Electron microscope studies on some  
marine diatoms

Abstr. of paper read at the Joint  
Meeting of the Department of Zoology,  
the University, Southampton, 17th-19th  
July, 1957. Reports observations on the  
intricacies of these siliceous  
structures.

FAO:efa

M

Tuck, G.E. (1958) 584911  
Challenger Soc., 3(10):20  
The hydrography of Southampton water

Abstr. of paper read at the Joint Meeting  
of the Department of Zoology, the  
University, Southampton, 17th-19th July,  
1957. Account of work carried out to  
study the cooling characteristics of  
warmed sea water effluent from Archwood  
Generating Station.

FAO:efa

M

Hockley, A.R. & S.K. Eltringham (1958) 584914  
Challenger Soc., 3(10):22  
Migration and reproduction of Limnoria  
in Southampton water

Abstr. of paper read at the Joint  
Meeting of the Department of Zoology,  
the University, Southampton, 17th-19th  
July, 1957. Account of investigations on  
migration, temperature effect of  
invasion; reproduction & gravidity of  
L. quadripunctata, L. lignorum &  
L. tripunctata.

FAO:efa

M

Barnett, P.R.O. (1958) 584915  
Challenger Soc., 3(10):22-3  
The zonation of harpacticoids on a mudflat

Abstr. of paper read at the Joint Meeting of the Department of Zoology, the University, Southampton, 17th-19th July 1957. Comparison of distribution patterns of Platychelipus littoralis Brady, P. laophontoides Sars, Stonhelia palustris Brady, Harpacticus flexus Brady & Canuella furcifera Sars, & account of their resistance to greater extremes of external conditions.

FAO:efa

M

Eltringham, S.K. & P.R.O. 584918  
Barnett (1958)  
Challenger Soc., 3(10):24  
Survival at reduced salinities and osmoregulation in Limnoria (Isopoda) and Platychelipus (Harpacticoida)

Abstr. of paper read at the Joint Meeting of the Department of Zoology, the University, Southampton, 17th-19th July, 1957. Account of investigations to examine causes of reduced boring activity found experimentally in waters of lowered salinity.

FAO:efa

M

Oldfield, M. (1958) 584916  
Challenger Soc., 3(10):23  
The functional morphology of some small lamellibranchs

Abstr. of paper read at the Joint Meeting of the Department of Zoology, the University, Southampton, 17th-19th July 1957. Description of anatomy of free living Turtonia minuta, Lasaea rubra & Kellia suborbicularis & commensal Montacuta ferruginosa & M. substriata.

FAO:efa

M

Howells, G. (1958) 584919  
Challenger Soc., 3(10):24-5  
Some aspects of osmoregulation in young salmon

Abstr. of paper read at the Joint Meeting of the Department of Zoology, the University, Southampton, 17th-19th July, 1957. Reports lines of research started to study aspects of smoltification.

FAO:efa

MF

Allen, J.A. (1958) 584917  
Challenger Soc., 3(10):23-4  
The functional morphology of the stomach of the Lucinacea (Lulamelli-branchia)

Abstr. of paper read at the Joint Meeting of the Department of Zoology, The University, Southampton, 17th-19th July, 1957. Account of evolutionary sequence in development of modifications for particular habitats & related changes in the functional morphology of the stomach.

FAO:efa

M

Barry, R.J.C. & K.A. 584920  
Munday (1958)  
Challenger Soc., 3(10):25  
Quantitative seasonal variations in the carbohydrate levels of Patella

Abstr. of paper read at the Joint Meeting of the Department of Zoology, the University, Southampton, 17th-19th July, 1957.

FAO:efa

M

Newell, G.E. (1958) 584921  
Challenger Soc., 3(10):26  
Winkles and the problem of zonation

Abstr. of paper read at the Joint Meeting of the Department of Zoology, the University, Southampton, 17th-19th July, 1957. Account of observations on distribution pattern, feeding excursion & phototrophism of Littorina littorea.

FAO:efa

M

Henderson, G.T.D. (1958) 584924  
Challenger Soc., 3(10):28  
Continuous plankton records: the young fishes of the North Eastern Atlantic

Abstr. of paper read at the Joint Meeting of the Institute of Seaweed Research, Musselburgh, Scotland, 23rd & 24th October, 1957. Discussion of distributions, at 10 m, of some young fish appearing over deep water.

FAO:efa

M

Fisher, L.R., E.H. Goldie 584922  
& P.A. Plack (1958)  
Challenger Soc., 3(10):26  
The eye pigments of Meganyctiphanes norvegica

Abstr. of paper read at the Joint Meeting of the Department of Zoology, the University, Southampton, 17th-19th July, 1957.

FAO:efa

M

Barnes, B.I. (1958) 584925  
Challenger Soc., 3(10):28-9  
Continuous plankton records, 1947-56: the pelagic tunicates of the North Eastern Atlantic

Abstr. of paper read at the Joint Meeting of the Institute of Seaweed Research, Musselburgh, Scotland, 23rd & 24th October 1957. Notes on pattern of distribution of salps & doliolids as indicators of oceanic water movements.

FAO:efa

M

Daisley, K.W. & L.R. 584923  
Fisher (1958)  
Challenger Soc., 3(10):27  
The vertical distribution of vitamin B<sub>12</sub> in oceanic water

Abstr. of paper read at the Joint Meeting of the Department of Zoology, the University, Southampton, 17th-19th July, 1957. Records of measurement of B<sub>12</sub> by application of sensitive microbiological assay using Auglona gracilis from various depths in Bay of Biscay.

FAO:efa

M

Glover, R.S. (1958) 584926  
Challenger Soc., 3(10):29-30  
The herring and its animate environment

Abstr. of paper read at the Joint Meeting of the Institute of Seaweed Research, Musselburgh, Scotland, 23rd & 24th October 1957. Account of change in plankton community & its effect on North Sea fishery.

FAO:efa

M

Trueman, M.R. (1958) 584927  
Challenger Soc., 3(10):30  
The form and function of the ligament  
of Pecten and Mya

Abstr. of paper read at the Joint  
Meeting of the Institute of Seaweed  
Research, Musselburgh, Scotland, 23rd &  
24th October, 1957.

FAO:efa M

Dodd, J.M. (1958) 584930  
Challenger Soc., 3(10):31-2  
Endocrinological aspects of reproduction  
in the dogfish (Scyliorhinus caniculus)

Abstr. of paper read at the Joint  
Meeting of the Institute of Seaweed  
Research, Musselburgh, Scotland, 23rd &  
24th October, 1957. Account of studies on  
endocrinology of reproduction; surgical  
removement of pituitary glands, its  
effect on sex & reproduction; effects  
of sex steroids on reproductive ducts of  
♀ individual.

FAO:efa M

Marshall, N.B. (1958) 584928  
Challenger Soc., 3(10):30-1  
Underwater noises

Abstr. of paper read at the Joint  
Meeting of the Institute of Seaweed  
Research, Musselburgh, Scotland, 23rd &  
24th October, 1957. Discussion on sound  
production in gadoids & clupeids;  
morphological evidence that former can  
produce sounds by way of swim-bladder &  
latter by emitting bubbles from anal  
opening of swim-bladder.

FAO:efa M

Chambers, J.A. & J.H. 584931  
Burnett (1958)  
Challenger Soc., 3(10):32-3  
Respiratory system of Fucus vesiculosus

Abstr. of paper read at the Joint  
Meeting of the Institute of Seaweed  
Research, Musselburgh, Scotland, 23rd &  
24th October, 1957. Notes on mano-  
metrical studies of endogenous  
respiration of disks from vegetative  
tips of this sp.

FAO:efa M

Booth, B. (1958) 584929  
Challenger Soc., 3(10):31  
Developments from seaweed research

Abstr. of paper read at the Joint  
Meeting of the Institute of Seaweed  
Research, Musselburgh, Scotland, 23rd &  
24th October, 1957. Reviews history of  
seaweed industry & formation of  
Institute of Seaweed Research. Incl.  
account of developments attained from  
research.

FAO:efa M

Chesters, C.G.C. & J.A. 584932  
Stott (1958)  
Challenger Soc., 3(10):33  
Antibiotics from seaweed

Abstr. of paper read at the Joint  
Meeting of the Institute of Seaweed  
Research, Musselburgh, Scotland, 23rd &  
24th October, 1957. Account of work  
initiated under Institute of Seaweed  
Research on occurrence, distribution &  
character of potential antibiotic  
materials in British seaweeds.

FAO:efa M

Bowden, K.F. (1958) 584933  
Challenger Soc., 3(10):34  
Currents of the Irish sea

Abstr. of paper read at the Joint Meeting of the Zoological Society, London, 23rd & 24th January, 1958. Account of computations & determinations of flows.

FAO:ofa

M

Forster, G.R. (1958) 584936  
Challenger Soc., 3(10):38  
Submarine natural history

Abstr. of paper read at the Joint Meeting of the Zoological Society, London, 23rd & 24th January, 1958. Coloured photographic transparencies of small areas of rock have been taken when diving with aqua lung equipment to depths of 28 m. Turbid water does not mar the pictures noticeably as the lens is only 12in. from the rock surface. The technique can give useful information on the habits of sponges & other animals which contract when removed from rock surface,

Iyer, H.M. (1958) 584934  
Challenger Soc., 3(10):34  
The correlation technique for tracking storms using microseisms

Abstr. of paper read at the Joint Meeting of the Zoological Society, London, 23rd & 24th January, 1958. Account of new correlation technique developed to separate Rayleigh & Love wave components & preliminary results obtained by detailed study of 3 storms.

FAO:ofa

M

584936  
(Card 2)  
especially with spp. which cannot be maintained in aquaria.

FAO:ofa

M

Colobbrook, J.M. (1958) 584935  
Challenger Soc., 3(10):35  
Plankton and water movements in lake Windermere

Abstr. of paper read at the Joint Meeting of the Zoological Society, London, 23rd & 24th January, 1958. Reports effect of water movement on horizontal distribution of planktonic crustacea.

FAO:ofa

F

Owen, G. (1958) 584938  
Challenger Soc., 3(10):38  
Some intertidal animals of New Zealand

Abstr. of paper read at the Joint Meeting of the Zoological Society, London, 23rd & 24th January, 1958. Description of brachiopods & other intertidal zone animals with the aid of colour transparencies. Incl. description of marine biological station at Portobello, Dunedin & whaling station on Torry Channel.

FAO:ofa

M

Walne, P.R. (1958) 584939  
Challenger Soc., 3(10):38  
Shellfish research on the Atlantic  
coast of America

Abstr. of paper read at the Joint  
Meeting of the Zoological Society,  
London, 23rd & 24th January, 1958.  
An ill. account was given of a visit  
made to marine laboratories at Woods  
Hole, New York, Milford, Annapolis &  
Beaufort. Some pictures were shown of  
the oyster fishery of Cape Cod & the  
soft clam fishery of Chesapeake Bay.

FAO:efa M

Atkins, W.R.G. & H.H. 584942  
Poole (1958)  
J.Cons.int.Explor.Mer, 23:327-36  
Cube photometer measurements of the  
angular distribution of submarine day-  
light and the total submarine  
illumination

Measurement of obliquity of submarine  
daylight in the English Channel, using  
an instrument first built in 1938.  
Tests with color filters; sensitivity,  
corrections.

GLK:sjh M

Mosby, H. (1958) 584940  
J.Cons.int.Explor.Mer, 23:321-3  
Bjørn Holland-Hansen, 1877-1957

Obituary & short biography of this  
famous oceanographer.

GLK:sjh M

Warren, P.J. (1958) 584943  
J.Cons.int.Explor.Mer, 23:337-9  
Description of an improved rotating  
counter for zooplankton

Ill. description of Perspex counting  
stage for use with low-power micro-  
scope, developed from model described  
by Ward, J., 1955, Quart.J.micr.Sci.,  
96:371-3.

GLK:sjh M

Wimpenny, R.S. (1958) 584941  
J.Cons.int.Explor.Mer, 23:324-6  
Robert Edward Savago, 1887-1957

Obituary & short biography of this  
fisheries biologist, well-known for  
his work on plankton & shellfish.

GLK:sjh M

Wickstead, J.H. (1958) 584944  
J.Cons.int.Explor.Mer, 23:340-53  
A survey of the larger zooplankton of  
Singapore Straits

Kinds & quantities of animals in fort-  
nightly net samples over a 12-month  
period at one station. List & notes on  
each group; graphs & tables of salinity,  
temperature, transparency, rainfall &  
wind direction. Discussion of plankton  
fluctuations & water movements S & SW of  
Malay Peninsular.

GLK:sjh M

Corlett, J. (1958) 584945  
J.Cons.int.Explor.Mer, 23:354-6  
Plankton in the western Barents Sea and  
the year-class strength of the Arcto-  
Norwegian cod

Suggested association, over a 9-year  
period between standing crop of 300  
plankton - total dry wt., net samples -  
& corresponding Gadus callarias year  
class abundance - based on Finnmark  
spring fishery & ERNEST HOLT  
experimental trawling with covered  
cod-end.

GLK:sjh

M

Trout, G.C. (1958) 584948  
J.Cons.int.Explor.Mer, 23:371-80  
Results of English cod tagging in the  
Barents Sea

Comparison of efficiency of Lea &  
Petersen - yellow or black, flagged or  
normal - tags on Gadus callarias 1951-  
55 experiments. Relation of % return of  
fish to fish length & type of gear.

GLK:sjh

M

Bridger, J.P. (1958) 584946  
J.Cons.int.Explor.Mer, 23:357-65  
On efficiency tests made with a  
modified Gulf III high-speed tow-net

Reports experiments to test modifica-  
tions of Gehringer's net for purpose  
of estimating abundance of post-larval  
herring & especially to eliminate  
diurnal anomalies.

GLK:sjh

M

Hodgson, W.C. (1958) 584949  
J.Cons.int. Explor.Mer, 23:381-9  
On the interpretation of the East  
Anglian herring data 1923-1955

A critical appraisal of several recent  
papers, especially Cushing & Burd, 580517,  
& Graham, 1956, World Fish., Dec.  
Examines the evidence for the hypothesis  
that there have been important changes  
in growth rate & age of maturity in  
Clupea harengus & that trawling in the  
Southern Bight has affected the  
mortality rate & the catches of the  
East Anglian fishery.

GLK:sjh

M

Taylor, C.C. (1958) 584947  
J.Cons.int.Explor.Mer, 23:366-70  
Cod growth and temperature

Review of published data on growth of  
Gadus callarias in N. Atlantic.  
Relation of parameters of von  
Bertalanffy's equation for growth in  
length to mean annual surface  
temperature in each area.

GLK:sjh

M

Wood, R.J. (1958) 584950  
J.Cons.int.Explor.Mer, 23:390-8  
Fat cycles of North Sea herring

Cycles in fat content of drift-net  
caught Clupea harengus off English B.  
coast, 1956/57, both Downs & Bank stocks,  
compared with results of other studies  
of this phenomenon.

GLK:sjh

M

Alm, G. (1958) 584951  
J.Cons.int.Explor.Mer, 23:399-433  
Seasonal fluctuations in the catches  
of salmon in the Baltic

An historical study, & review of  
related data, of these fisheries in  
different parts of the area;  
interpretation of marking results,  
relations of spawning & feeding  
migrations with temperature & other  
environmental factors, incl. depth of  
water.

GLK:sjh

MF

Lagunov, I. & V. 584954  
Asbelev (1958)  
J.Cons.int.Explor.Mer, 23:436-8  
Investigations by the Polar Institute of  
Marine Fisheries and Oceanography

Contribution to "Notes on Recent  
Atlantic Salmon Investigations in the  
USSR", by G. Nikolskii, 584952.

GLK:sjh

M

Nikolskii, G. (1958) 584952  
J.Cons.int.Explor.Mer, 23:434-9  
Notes on recent Atlantic salmon  
investigations in the USSR

Fishery & research reviewed by:  
Institute of Freshwater Fisheries,  
584953; Polar Institute of Marine  
Fisheries & Oceanography, 584954; &  
Petchora State Preserve, 584955.

GLK:sjh

MF

Vladimirskaia, M.N. (1958) 584955  
J.Cons.int.Explor.Mer, 23:438-9  
Investigations carried out in the  
Petchora State Preserve

Contribution to "Notes on Recent  
Atlantic Salmon Investigations in the  
USSR", by G. Nikolskii, 584952.

GLK:sjh

MF

Ivlev, V. (1958) 584953  
J.Cons.int.Explor.Mer, 23:434-6  
Investigations by the Institute of  
Freshwater Fisheries

Contribution to "Notes on Recent  
Atlantic Salmon Investigations in the  
USSR", by G. Nikolskii, 584952.

GLK:sjh

F

Warren, P.J. (1958) 584956  
J.Cons.int.Explor.Mer, 23:440-2  
A device for rapid single-handed  
measurement of shellfish

Ill. description of instrument giving  
dial readings of shell-lengths.

GLK:sjh

M

Aboul-Ela, I.A. (1958) 584957  
J.Cons.int.Explor.Mer, 23:443-52  
L'action des grands froids sur les  
huîtres (The effect of intense  
cold on oysters)

Review of field observations; reports  
laboratory experiments with  
Crassostrea angulata & Ostrea edulis;  
increase in mortality by freezing & by  
mechanical shocks, histological  
structure of adductor muscle.

GLK:sjh

M

Korringa, P. (1958) 584960  
J.Cons.int.Explor.Mer, 23:467-8  
The biology and distribution of the  
slipper limpet Crepidula fornicata in  
Essex rivers

Critical review of original article by  
P.R. Walne, 1956, Fish.Invest., Lond.,  
20(6):1-50.

GLK:sjh

M

Bowden, K.F. (1958) 584958  
J.Cons.int.Explor.Mer, 23 453-51  
Essay review, Some recent studies of  
oceanic circulation

Critical review of K. Hidaka, 1955,  
Pacif.Sci., 9:183-220; J.G. Charney,  
1955, Proc.nat.Acad.Sci., 41:731-40;  
G.W. Morgan, 1956, Tellus, 8:301-20;  
J.C. Freeman, Jr., 1954, Trans.Amer.  
geophys.Un., 35:585-7; J.G. Charney,  
1955, J.Mar.Res., 14:477-98; G. Veronis  
& G.W. Morgan, 1955, Tellus, 7:232-42;  
G. Veronis & H. Stommel, 1956, J.Mar.  
Res., 15:43-75; G. Veronis, 1956,  
Deep-Sea Res., 3:157-77; & A.B. Arons  
& H. Stommel, 1956, Deep-Sea Res., 4:23-31.  
GLK:sjh M

Johnson, G. (1958) 584961  
C.R.Acad.Sci., Paris, 247:1501-3  
L'hormaphroditisme simultané de  
l'Oniscoïde Rhyscotoides lograndi  
(Simultaneous hermaphroditism at the  
Oniscoïde Rhyscotoides lograndi)

Account of observations on mutual  
hermaphroditism of 2 spp. of  
Rhyscotidae. Type of sexuality is so  
far exceptional among isopods.

FAO:ofa

M

Korringa, P. (1958) 584959  
J.Cons.int.Explor.Mer, 23:466-7  
Experimental rearing of the larvae of  
Ostrea edulis L. in the laboratory

Critical review of original article  
by P.R. Walne, Fish.Invest., Lond.,  
20(9):1-23, 1956.

Dangoard, P. (1958) 584962  
C.R.Acad.Sci., Paris, 247:1425-7  
Algologie - Sur la sexualité de  
quelques Codium dichotomes dans la  
région atlantique (Algology - On  
the sexuality of some Codium dichotomous  
in the Atlantic region)

Account of observations on sexuality of  
parthenogenetic Codium fragile, Sur.,  
Harriot & Codium vermilana, Olivi, Delle  
Chiave. Observations of normal  
sexuality on other stations confirms  
that it is a question of geographic  
parthenogenesis.

FAO:ofa

M

GLK:sjh

M

<p>Royce, W.F. (1957) 584963  <u>Spec.sci.Rop.U.S.Fish Wildl.Serv.</u>, (208)  7-28  Statistical comparison of morphological data</p> <p>Reviews quantitative methods in current use - averages, ratios &amp; regression analysis; presents a method of measurement of overlap of counted &amp; measured characters valid for measuring simultaneously the overlapping of several characters.</p> <p>GLK:glk MF</p>	<p>Koch, W. (1958) 584966  <u>Bull.Inf.Cons.sup.Pêcho</u>, (31):3-8  Lo sandre (<u>Sander lucioperca</u> Linné)</p> <p>Reprint of Koch's article on pike perch published in his book "Fischzucht", dealing with its life history, feeding, natural &amp; artificial reproduction, transplantation &amp; brooding experiments up to 1949. Introductory note refers to further experiments conducted in Hungary since 1949.</p> <p>FAO:tjj F</p>
<p>Anonymous (1958) 584964  <u>Fish.Inf.Bull.</u>, :149  Salmon counting</p> <p>Brief account of aerial technique to count salmon nests in Columbia River basin &amp; Alaska.</p> <p>FAO:ofa MF</p>	<p>Holthuis, L.B. &amp; H. 584967  Gottlieb (1958)  <u>Bull.Ros.Coun.Israel</u>, 7B(1-2):126 p.  An annotated list of the decapod crustacea of the Mediterranean coast of Israel, with an appendix listing the decapoda of the Eastern Mediterranean</p> <p>Incl. full bibliographic list.</p> <p>FAO:ofa M</p>
<p>Anonymous (1958) 584965  <u>Fish.Inf.Bull.</u>, 149-50  Tuna bait in Hawaii</p> <p>Brief account of transplantation of sardine in Hawaiian waters to increase tuna bait supply.</p> <p>FAO:efa M</p>	<p>Barnett, C.H., R.J. Harrison 584968  &amp; J.D.W. Tomlinson (1958)  <u>Biol.Rev.</u>, 33:442-87  Variations in the venous systems of mammals</p> <p>A general review of research on the anatomy of this system incl. reference to the system in aquatic mammals.</p> <p>FAO:glk MF</p>

Rawson, D.S. (1957) 584969  
Trans.Amer.Fish.Soc., (86):15-37  
The life history and ecology of the  
yellow walleye, Stizostedion vitreum, in  
Lac la Ronge, Saskatchewan

By creel census, tagging, trapping the  
spawning run & gill netting. Discusses  
population movements, utilization rates  
& parasites.

HR:tjj

F

Wolf, K. (1957) 584972  
Trans.Amer.Fish.Soc., (86):61-70  
Experimental induction of blue-sac  
disease

Closed system incubation & addition  
of synthetic nitrogen compounds to  
water used for incubation.

HR tjj

F

Bates, D.W. & R.Vinsonhaler(1957) 584970  
Trans.Amer.Fish.Soc., (86):38-57  
Use of louvers for guiding fish

Describes the system successfully  
adopted after a test structure with  
different types of screens failed.

HR:tjj

F

Hacker, V.A. (1957) 584973  
Trans.Amer.Fish.Soc., (86):71-83  
Biology and management of lake trout  
in Green Lake, Wisconsin

Spawning, food, growth & condition of  
planted fish in the oligotrophic lake.

HR tjj

F

Kinney, L.C. (1957) 584971  
Trans.Amer.Fish.Soc., (86):58-60  
The otter trawl as a fish sampling  
device in western lake Erie

Analyses haul records made from 1948-53  
for a basis for further population  
comparison.

HR:tjj

F

Larkin, P.A., J.G. Terpenning 584974  
" R.R. Parker (1957)  
Trans.Amer.Fish.Soc., (86):84-96  
Size as a determinant of growth rate in  
rainbow trout Salmo gairdneri

Discusses use of absolute age & an  
alternative method relating growth  
rate to size independent of age with  
examples of use of size-specific  
average instantaneous growth rates.

HR tjj

F

Miller, R.R. (1957) 584975  
Trans.Amer.Fish.Soc., (86):97-111  
Origin and dispersal of the alowife,  
Alosa pseudoharengus, and the gizzard  
shad, Dorosoma cepedianum, in the Great  
Lakes

Gives tabular comparison of the 2 for  
identification. Discusses chronological  
records indicating increasing  
abundance & need for methods of  
utilization.

HR:tjj

F

Motl, L.F. (1957) 584978  
Trans.Amer.Fish.Soc., (86):135  
Experimental spiral raceway for trout

Description of a single wall raceway  
with a wall curved in a spiral.

HR:tjj

F

Henderson, C. & R.F. 584976  
Foster (1957)  
Trans.Amer.Fish.Soc., (86):112-27  
Studies of smallmouth black bass (Micro-  
pterus dolomieu) in the Columbia River  
near Richland, Washington

Discusses effect of isotopes, acquired  
through food chains from radioactive  
reactor effluents; age & size records,  
spawning in relation to temperature,  
movement pattern.

HR:tjj

F

Seguin, L.-R. (1957) 584979  
Trans.Amer.Fish.Soc., (86):136-43  
Scientific fish culture in Quebec  
since 1945

Presents data on efficiency of diets  
& effects of light & temperature on  
reproduction, incubation, growth &  
survival of different trouts.

HR:tjj

F

Budd, J. (1957) 584977  
Trans.Amer.Fish.Soc., (86):128-34  
Movements of tagged whitefish in  
northern lake Huron and Georgian Bay

A study based on recaptures from 5,901  
legal & sub-legal sized fish during  
1949-1953.

HR:tjj

MF

Ruhr, C.M. (1957) 584980  
Trans.Amer.Fish.Soc., (86):144-57  
Effect of stream impoundment in  
Tennessee on the fish populations of  
tributary streams

Analyses data from a statewide survey of  
distribution of shad, small-mouth  
buffalo & drum in lakes & associated  
streams with & without migration  
barriers.

HR:tjj

F

Sand, R.F. (1957) 584981  
Trans.Amer.Fish.Soc., (86):158-60  
Application of underwater television to  
fishing gear research

Closed circuit used successfully in  
Florida coastal waters.

HR:tjj

M

Whitteleather, R.T. (1957) 584984  
Trans.Amer.Fish.Soc., (86):195-8  
Some interesting aspects of fisheries  
exploration - 1956

A semi-popular note mentioning  
activities of US FWS, especially  
discovery of new shrimp sources, fresh  
information on yellowfin distribution,  
improvement of midwater trawl by  
attaching a prototype telemeter, etc.

HR:tjj

M

Stevens, R.I. & J.R. 584982  
Truog (1957)  
Trans.Amer.Fish.Soc., (86):161-3  
Comparison of dried yeasts, Candida  
utilis and Saccharomyces cerevisiae, as  
supplements in a diet for rainbow trout

Comparative studies of various  
percentages fed in dry pelleted diet  
as growth stimulants & vitamin sources.

HR:tjj

F

Blair, A.A. (1957) 584985  
Trans.Amer.Fish.Soc., (86):199-207  
Counting fence of netting

Describes a 2-way fence with traps &  
barriers in sections to facilitate  
transportation, cleaning & replacement.

HR:tjj

MF

Joeris, L.S. (1957) 584983  
Trans.Amer.Fish.Soc., (86):169-94  
Structure and growth of scales of yellow  
perch of Green Bay

Differences in scales from above & below  
lateral line; estimates of age from  
modes in length frequency distribution &  
from scale readings in different age  
groups.

HR:tjj

F

Ide, F.P. (1957) 584986  
Trans.Amer.Fish.Soc., (86):208-19  
Effect of forest straying with DDT on  
aquatic insects of salmon streams

Numerical & volumetric comparison of  
emergence from sprayed & un-sprayed  
streams.

HR:tjj

MF

Hourston, W.R. & D. 584987  
MacKinnon (1957)  
Trans.Amer.Fish.Soc., (86):220-30  
Use of an artificial spawning channel  
by salmon

Behaviour studies of pink & chum salmon  
spawning in the channel & their  
survival rates.

HR:tjj

MF

Prevost, G. (1957) 584990  
Trans.Amer.Fish.Soc., (86):258-60  
Use of artificial and natural spawning  
beds by lake trout

Observations with SCUBA diving  
equipment indicating advantage of  
artificial beds of sharp rocks over  
natural beds of round boulders.

HR:tjj

F

Martin, N.V. (1957) 584988  
Trans.Amer.Fish.Soc., (86):231-44  
Reproduction of lake trout in  
Algonquin Park, Ontario

Describes spawning grounds, time, water  
conditions, courtship, sex ratios, size  
composition of spawners, causes of egg  
loss, etc.

HR:tjj

F

Miller, R.B. & R.C. 584991  
Thomas (1957)  
Trans.Amer.Fish.Soc., (86):261-8  
Alberta's 'pothole' trout fisheries

Progress & deterioration of planted  
stocks; management problems.

HR:tjj

F

Tarzwel, C.M. & C. 584989  
Henderson (1957)  
Trans.Amer.Fish.Soc., (86):245-57  
Toxicity of dieldrin to fish

Bio-assays with different formulations  
of the chemical & time of effect  
concentration curve.

HR:tjj

F

McLain, A.L. (1957) 584992  
Trans.Amer.Fish.Soc., (86):269-84  
The control of the upstream movement of  
fish with pulsated direct current

Describes the system preferred to  
alternating current electro-mechanical  
devices.

HR:tjj

MF

Johnson, F.H. (1957) 584993  
Trans.Amer.Fish.Soc., (86):285-93  
Northern pike year-class strength and  
spring water levels

Study of relationship during 7 years  
from 1945 to 1952, ranked according  
to water conditions incl. level at  
spawning & fluctuation during incubation

HR:tjj

F

Grassl, H.F. (1957) 584996  
Trans.Amer.Fish.Soc., (86):307-22  
Pelleted dry rations for trout  
propagation in Michigan hatcheries

Comparative effects of pelleted  
animal & vegetable meals, dry meal &  
chopped raw-meat on rainbow & brook  
trouts.

HR:tjj

F

Cushing, C.M., Jr. & 584994  
J.R. Olive (1957)  
Trans.Amer.Fish.Soc., (86):294-301  
Effects of toxaphene and rotenone upon  
the macroscopic bottom fauna of two  
northern Colorado reservoirs

Comparative effects on Tondipodidae &  
Oligochaetes.

HR:tjj

F

Baldwin, N.S. (1957) 584997  
Trans.Amer.Fish.Soc., (86):323-8  
Food consumption and growth of brook  
trout at different temperatures

Observations on specimens isolated in  
separate tanks within the range 3.5°  
to 21.0°C.

HR:tjj

F

Walburg, C.H. (1957) 584995  
Trans.Amer.Fish.Soc., (86):302-6  
Observations on the food and growth of  
juvenile American shad, Alosa sapidissima

A study on material from 6 widely  
separated rivers.

HR:tjj

F

Waters, T.F. (1957) 584998  
Trans.Amer.Fish.Soc., (86):329-44  
The effects of lime application to  
acid bog lakes in Northern Michigan

Comparative results of summer &  
autumn applications on total phosphorus,  
nanoplankton & zooplankton in 2 lakes.

HR tjj

F

Vladykov, V.D. (1957) 584999  
Trans.Amer.Fish.Soc., (86):345-9  
Fish tags and tagging in Quebec waters

Recovery analysis indicating superiority over monel metal strap tags, of ring shaped strap tags of monel or nickel for sturgeon, channel, catfish & eel & of split ring and plate tags for shad, smelt, striped bass & tomcod.

HR:tjj

MF

Dymond, J.R. (1957) 585002  
Trans.Amer.Fish.Soc., (86):384-92  
Artificial propagation in the management of Great Lakes fisheries

Discusses evidence of inconclusive experiments with native spp. on correlation between number of fry planted & catch in years of expected yield therefrom & on recovery of tagged fingerlings after growth.

HR:tjj

F

Donaldson, L.R., D.D. Hansler 585000  
& T.N. Buckridge (1957)  
Trans.Amer.Fish.Soc., (86):350-60  
Interracial hybridization of cutthroat trout, Salmo clarkii, and its use in fisheries management

Comparison of 1st generation hybrids with parent races in respect of vigour.

HR:tjj

MF

Moffett, J.W. (1957) 585003  
Trans.Amer.Fish.Soc., (86):393-408  
Recent changes in the deep-water fish populations of Lake Michigan

Composition and inter-relation observed during 1930-1955.

HR:tjj

F

Whalls, M.J., D.S. Shetter 585001  
& J.E. Vondett (1957)  
Trans.Amer.Fish.Soc., (86):371-80  
A simplified rotary fish screen and an automatic water gate

Describes a self cleaning, readily portable device.

HR:tjj

F

Smith, S.H. (1957) 585004  
Trans.Amer.Fish.Soc., (86):409-18  
Limnological surveys of the Great Lakes - Early and recent

Discusses progressive inter-agency cooperation & pooling of facilities staff & equipment leading to rapid expansion of research.

HR:tjj

F

Kennedy, W.A. (1957) 585005  
Trans.Amer.Fish.Soc., (86):419-23  
Current fisheries research by  
Canadians on the Great Lakes

Reviews contribution towards eliminating  
sea lamprey & general fishery research.

HR:tjj

F

Lindner, M.J. (1957) 585008  
Spec.sci.Rep.U.S.Fish Wildl.Serv., (235):  
166 p.

Survey of shrimp fisheries of Central  
and South America

Report for each of 21 countries.  
Commercial spp. & grounds are listed,  
fluctuations in availability are  
described; outlook for production is  
forecast; sections on fishermen &  
gear, processing & marketing, foreign  
trade, legislation & governmental  
assistance but treatment is not uniform  
for all countries.

GLK:glk

M

Farley, J.L. (1957) 585006  
Trans.Amer.Fish.Soc., (86):424-9  
The role of the Great Lakes fishery  
commission in the solution of Great  
Lakes problems

Organizational arrangements & programme  
for control of sea lamprey & co-  
ordination of research.

HR:tjj

F

Boulding, K.D. (1957) 585009  
Gen.Syst., 2:102-7  
The malthusian model as a general system

An essay in general population  
dynamics, reprinted from Social &  
Economic Studies, 4:195, 1955.

GLK:sjh

MF

Scattergood, L.W. (1957) 585007  
Spec.sci.Rep.U.S.Fish Wildl.Serv., (227):  
66 p.

English translations of fishery  
literature additional listings, 1957

247 additional titles, with subject  
index - see previous lists, 581202.

WAD:glk

MF

Russell, W.M.S., A.P. Moad 585010  
& J.S. Hayos (1957)  
Gen.Syst., 2:108-33

A basis for the quantitative study of  
the structure of behaviour

A general theory of animal behaviour,  
with reference to work of Baerends, G.P.,  
R. Brouwer & H.T. Waterbolk, 1955, on  
male courtship pattern of Lobistes  
reticulatus. Reprinted from Behaviour,  
6:154, 1954.

GLK:sjh

MF

Russell, W.M.S. (1957) 585011  
Gen.Syst., 2:133-4  
Supplementary note

A qualification of views expressed in  
585010.

GLK:sjh

MF

Elson, P.F. (1957) 585014  
Canad.Fish Cult., (21):19-23  
Number of salmon needed to maintain  
stocks

An interim report on Salmo salar based  
on New Brunswick studies striving to  
answer the questions of: how many  
spawners are needed? & do maritime  
salmon streams receive enough stock?

SJH:wad

MF

Elson, P.F. (1957) 585012  
Canad.Fish Cult., (21):1-6  
The importance of size in the change  
from parr to smolt in Atlantic salmon

Evidence is presented from both sides  
of the Atlantic to show that, as a  
general rule, parr which have reached  
or exceeded a certain size towards the  
end of 1 growing season are likely to  
become smolts at the next season of  
smolt descent. A similar size pre-  
requisite also appears to hold for a  
slower-growing Canadian lake salmon  
stock.

SJH:wad

MF

Elson, P.F. (1957) 585015  
Canad.Fish Cult., (21):25-32  
The role of hatcheries in assuring  
maritime stocks of Atlantic salmon

A comparison of hatchery stocking &  
corresponding commercial catches in the  
Maritime Region, estimates of the  
total stock & return from stocking.

SJH:wad

MF

Elson, P.F. (1957) 585013  
Canad.Fish Cult., (21):7-17  
Using hatchery-reared Atlantic salmon  
to best advantage

A resumé of suggested management  
practises for Salmo salar: limitation  
of merganser predation; number & size of  
fish to be planted; dispersal of  
planted fish; type of bottom for  
planting; precautions concerning eels.

SJH:wad

MF

van Woert, W. (1958) 585016  
Adm.Rep.Intl.Fish.Calif., (58-7):4 p.  
Time pattern of migration of salmon and  
steelhead into the upper Sacramento  
river during the 1957-58 season

Analysis of catches of Oncorhynchus  
tshawytscha, O. kisutch & Salmo  
gairdnerii in experimental fyke  
nets near California Fremont Weir,  
during 1 July - 13 Dec., 1957.

WAD:tjj

MF

Morrow, J.L. (1957) 585017  
Bull.Bingham oceanogr.Coll., 16(2):5-55  
Shore and pelagic fishes from Peru,  
with new records and the description  
of a new species of Sphoeroides. Ru

Systematic annotated list of shore &  
pelagic fishes collected by an  
expedition in 1953. Description of  
Sphoeroides andersonianus n.sp. Notes  
on the range of distribution of some  
spp. & relation between tropical fishes  
& occurrence of El Niño.

GLK:tl

M

Morrow, J.L. (1957) 585020  
Bull.Bingham oceanogr.Coll., 16(2):88-105  
On the morphology of the pectoral  
girdle in the genus Makaira. Ru

The pectoral girdles of 2 Atlantic &  
4 Pacific spp. of Makaira are described  
in detail & compared. The recent  
specific taxonomy of the 6 spp. is  
discussed briefly.

GLK:tl

M

Morrow, J.L. (1957) 585018  
Bull.Bingham oceanogr.Coll., 16(2):56-71  
Mid-depth fishes of the Yale South  
American expedition. Ru

List of 18 spp. taken with pelagic  
otter trawl of which 16 are new to  
Peru. Comparison of Vinciguerria  
lucetia & V. pacifici, & Notosudis  
hamiltoni & N. argenteus.

GLK:tl

M

Posner, G.S. (1957) 585021  
Bull.Bingham oceanogr.Coll., 16(2):106-55  
The Peru current. Ru

History of the investigations of the  
current. Description of "normal" hydro-  
graphical conditions & conditions caused  
by El Niño. Distribution of nutrients,  
phyto- & zooplankton, & description of  
upwelling along the coast.

GLK:tl

M

Morrow, J.L. (1957) 585019  
Bull.Bingham oceanogr.Coll., 16(2):72-87  
Races of the striped marlin, Makaira  
mitsukurii, in the Pacific. Ru

Statistical analyses of certain morpho-  
metric measurements & meristic  
characters have shown that striped  
marlin, M. mitsukurii, from Peru & from  
northern New Zealand represent separate  
populations.

GLK:tl

M

Tharratt, R.C. (1958) 585022  
Adm.Rop.Intl.Fish.Cal., (58-8):11 p.  
Summary of salmon and steelhead marking  
experiments in California 1949-1958

Data on Oncorhynchus & Salmo gairdneri  
relating to spp. & marks, brood years,  
areas of experiments, egg sources,  
planting dates, numbers planted, average  
length or number/pound & purpose marking  
in experiments initiated by the  
Department of Fish & Game are  
tabulated.

WAD:tjj

MF

Jensen, K.W. (1957) 585023  
K.norske vidensk.Selsk., 30(24):150-7  
 Determination of age and growth of  
Tilapia nilotica L., T. galilaea Art.,  
T. zillii Gerv., & Lates niloticus C. et  
 V. by means of their scales

Back calculations of growth & age are  
 calculated from annual zones.

WAD:tjj

F

Jitts, H.R. & H. Rotschi (1957) 585026  
UNESCO Internat. Conf. on Radioisotopes  
in Scientific Research no. 139, 21 p.  
 Mesure par la méthode au C<sup>14</sup> de  
 l'activité photo-synthétique de quelques  
 masses d'eau du Pacifique sud-ouest en  
 relation avec l'étude de la fertilité de  
 ces mêmes eaux (Measurement by the  
 C<sup>14</sup> method of photosynthetic activity of  
 various water masses in the S.W.  
 Pacific in relation to the study of the  
 fertility of those waters)

Description of the method with an  
 account of observations made on salinity  
 & other oceanographic characteristics

Sugarawa, K., T. Koyama & 585024  
 K. Terada (1957)  
UNESCO Internat. Conf. on Radioisotopes  
in Scientific Research no. 65, 11 p.  
 Co-precipitation of iodide ions by some  
 metallic oxides with special reference  
 to iodide accumulation in bottom water  
 layers and interstitial water of muds  
 in some Japanese lakes

Experiments with a spectrophotometric  
 device applying I<sup>131</sup> to iron  
 manganese & aluminium salts & lake  
 muds.

FiB:tjj

MF

585026  
 (Card 2)  
 with a report on the identification of  
 water masses & of the determination of  
 the relations between nutritive salts  
 & productivity.

FiB:glk

M

Marshall, S.M. & A.P. Orr (1957) 585025  
UNESCO Internat. Conf. on Radioisotopes  
in Scientific Research, no. 137, 6 p.  
 Feeding and digestion in marine  
 copepods

Experiments on ingestion of phyto-  
 plankton, Skeletonema & others, grown  
 in P<sup>32</sup> & C<sup>14</sup> by Calanus, Centropages,  
Pseudocalanus, Acartia, Temora &  
Oithona.

FiB:sjh

M

Sorokin, J.I. (1957) 585028  
UNESCO Internat. Conf. on Radioisotopes  
in Scientific Research no. 140, 16 p.  
 The results and prospects of using  
 radioactive C<sup>14</sup> for a study of organic  
 matter cycle in water basins

Techniques to determine annual photo-  
 synthesis production & the quantity  
 of algal & bacteria consumed by Daphnia  
 & Tondipididae.

FiB:tjj

MF

Hasler, A.D. (1957) 585029  
UNESCO Internat. Conf. on Radioisotopes  
in Scientific Research no. 188, 16 p.  
 Natural and artificially (air-blowing)  
 induced movement of radioactive  
 phosphorus from the muds of lakes

Experiments in intra-fertilization of  
 stratified water by circulating  
 nutrients in the bottom mud by  
 bubbling compressed air.

FiB:tjj

MF

Morris, R.F. (1957) 585032  
Canad. Ent., 89(2):49-69  
 The interpretation of mortality data in  
 studies on population dynamics

Review of ideas on the interpretation of  
 mortality data, examined in  
 conjunction with some life table data  
 for the spruce budworm, with  
 conclusions on level & order of  
 mortality & its expression.

GLK:glk

MF

Washington (State) Department 585030  
 of Fisheries (1957)  
Olympia, Wash., 12 p.  
 Pacific northwest marine fishes

Gives information on life history,  
 fisheries & management of Pacific  
 salmon, sole & flounders, rockfishes,  
 cods, sea perch, halibut, smolt,  
 herrings, sardines, sablefish,  
 sturgeon, sharks & rays.

WAD:hr

MF

Parrot, A.-G. (1957) 585033  
Bull. Cent. Stud. Roch. sci. Biarritz, 1:  
311-20

Los problèmes posés par la visite d'un  
 aquarium marin (Problèmes presented  
 during a visit at a marine aquarium)

Discussion of the problems presented in  
 caring for organisms held in aquaria &  
 ensuring their most effective display.

FiB:glk

F

Fah-Hsuen, L. (1957) 585031  
Rep. Inst. Fish. Biol. Taiwan, 1(2):13 p.  
 The lunar diel periodicity and the  
 population structure of some demersal  
 fishes

Discussion of lunar & diurnal  
 variation in catches of demersal fishes,  
Argyrosomus nibe, Trichiurus lopturus  
& Muraenesox cinereus, in the China  
 Sea & evidence of geographic  
 variations in density of the  
 distribution of these spp.

GLK:glk

M

Vibert, R. (1957) 585034  
Bull. Cent. Stud. Roch. sci. Biarritz, 1:  
321-42

Du rendement comparé des divers modes  
 de repeuplement on truites et saumons  
 (On the efficiency of various techniques  
 of trout and salmon stocking)

Review of previous work in measuring the  
 efficiency of various techniques of  
 stocking trout & salmon & a description  
 of the results of the author's own  
 work in this field.

FiB:glk

MF

Fischer-Piette, M. & M. Prenant (1957) 585035  
Bull. Cent. Etud. Rech. sci. Biarritz, 1:  
 361-8  
 Quelques données écologiques sur les cirripèdes intercotidaux du Portugal, de l'Espagne du sud et du nord du Maroc (Some ecological data on intertidal cirripeds of Portugal, Spain, North and South Morocco)

Contents as per title.

FiB:glk M

Debyser, J. (1957) 585038  
Bull. Cent. Etud. Rech. sci. Biarritz, 1:  
 405-18  
 La sédimentation dans le bassin d'Arcachon (The sedimentation in the basin of Arcachon)  
 Granulometric, mineralogical & chemical analysis of recent sediments.

FiB:glk M

Augier, J. (1957) 585036  
Bull. Cent. Etud. Rech. sci. Biarritz, 1:  
 395-6  
 Au sujet de la composition glucidique de Chondria caerulescens (Crouan) Falkenb. (On the glucose composition of Chondria caerulescens, Crouan, Falkenb.)

Contents as per title.

FiB:glk M

Mousset, G. & R. Vibert (1957) 585039  
Bull. Cent. Etud. Rech. sci. Biarritz, 1:  
 419-34  
 Première note préliminaire sur les possibilités d'utilisation en biologie des échanges erratiques obtenus entre deux électrodes d'aluminium plongées dans différents milieux (First preliminary note on the possibility of utilizing in biology erratic exchanges obtained between 2 aluminium electrodes immersed in different environments)

Contents as per title.

FiB:glk M

Lebouché, A.-M. (1957) 585037  
Bull. Cent. Etud. Rech. sci. Biarritz, 1:  
 397-9  
 Observations sur l'écologie et sur la composition glucidique de Caulacanthus ustulatus (Observations on the ecology and glucose composition of Caulacanthus ustulatus)

Contents as per title.

FiB:glk M

Buhr, J. (1957) 585040  
Wetterlotse, (120-121):160-9  
Wetterfunkefahrungen der Bordwetterwarte des Fischereiforschungsschiffes ANTON DOHRN im Nordmeer (Experiences of the weather services from FRV ANTON DOHRN in forwarding weather messages in the North Sea)

Programmes, areas, senders of weather messages & the present use of the weather services given by ANTON DOHRN.

TL:tl M

Steinborn, L. (1957) 585041  
Wetterlotse, (120-121):174-6  
 Eisverhältnisse bei Neufundland und  
 Cape Breton Island Ende April bis  
 Anfang Mai 1957 (Sea conditions at  
 Newfoundland and Cape Breton Island  
 from the end of April to the  
 beginning of May 1957)

Contents as per title.

TL:tl

M

Rodewald, (1957) 585044  
Wetterlotse, (123):209-17  
 Schwankungen der monatlichen Sturm-  
 häufigkeit auf dem Nordatlantik  
 (Variations of the monthly frequencies  
 of storms in the North Atlantic)

Data on monthly storm frequencies from  
 weather ships A, B, D, E, I, K, & M  
 from 1951 to 1957.

TL:tl

M

Rodewald, (1957) 585042  
Wetterlotse, (120-121):180-2  
 Erhöhte Nebelgefahr durch Kaltwasser  
 im Westatlantik (Increased danger  
 of fog caused by cold water in West  
 Atlantic)

Note on the sea & air temperatures, &  
 the forecast of increased fog  
 frequencies in the area.

TL:tl

M

Walden, H. (1957) 585045  
Wetterlotse, (123):217-20  
 Etwas über die Dünung (Notes on  
 swell)

Popular review of our knowledge of  
 swell, its magnitude, direction of  
 trawl & relation to wind.

TL:tl

M

Walden, H. (1957) 585043  
Wetterlotse, (123):201-5  
 Zur 25. Reise von ANTON DOHRN (On  
 the 25th trip of ANTON DOHRN)

Review of the past activities of this  
 German fisheries research vessel.

TL:tl

M

U.N. (1957) 585046  
Now York, 811 p.  
 Laws and regulations on the regime of  
 the territorial sea

A compilation of national legislation &  
 international agreements, with subject  
 index. Incl. chapter on fishing in the  
 territorial sea.

SJH:sjh

M

Concha, J. & F. Vargas (1957) 585047  
Invest.zool.chil., (8-9-10):129-38  
Estudio de la excitabilidad del nervio  
intercostal y del corazon del teleo-  
osteo Sicyasos sanguineus (A study  
of the excitability of the intercostal  
nerve and the heart of the teleostean  
Sicyasos sanguineus). En

The "breakdown of accommodation"  
appears at 5 msec. R'C' & 2,6  
rheobases in nerve. In the heart, the  
"breakdown" never occurs. The heart  
accommodation is also rapid in this  
fish -  $\lambda = 27,7$  msec. - & is in  
disagreement with the slow

accommodation found in the heart  
of other animals - frog;  $\lambda =$   
388 msec.

HR:hr

M

Vargas, F.F. & J. 585050  
Concha B. (1957)  
Invest.zool.chil., (8-9-10):146-54  
Metabolismo respiratorio del teleosteo  
Sicyasos sanguineus (Respiratory  
metabolism of the teleostean Sicyasos  
sanguineus). En

Some of the physiological adjustments  
to amphibious life were studied. The  
respiratory metabolism shows a  
significant correlation ( $r = 0,76$ ) with  
body weight. Metabolism ( $\mu\text{l/g/h}$ ) = 120.  
Weight  $-0,22$ . The respiratory frequency  
decreases as weight increases, the  
mathematical expression being  $R. F. =$   
160. Weight  $-0,15$ . The physiological

phenomenal show a correlation with the  
changes observed in the behaviour of  
the sp. as growth occurs.

HR:hr

M

Bahamonde, N.N. (1957) 585049  
Invest.zool.chil., (8-9-10):143-5  
XIV - Alimentacion del caguil (Larus  
maculipennis Lichtenstein)  
(Fooding of the gull, Larus maculi-  
pennis Lichtenstein). En

The analysis of the stomach contents  
of the sp. in southern Chilo yielded  
the following results in percentages:  
Polychaets, 19,3; molluscs, 0,2; 10,8;  
insects, 68,9; teleosteans, 0,3.

HR:hr

M

Zariquicy Alvarez, R. (1957) 585052  
Inv.posq., 10.3-15  
Docapodos espanoles. XI. La Acanthe-  
phyra oximia S.I. Smith 1884 (Crust.Doc.  
Nat.) on las costas mediterraneas  
espanolas (Spanish docapods. XI.  
The Acanthophyra oximia S.I.Smith 1884,  
Crust.Doc.Nat., on the Mediterranean  
coasts of Spain). En

A minicuous description of Acanthe-  
phyra oximia S.I.Smith 1884, based on  
2 specimens caught in Blancos, Spain.

FiB:hr

M

Horrera, J. & R. Margalof (1957) 585053  
Inv.pesq., 10:17-44  
 Hidrografía y fitoplancton de las  
 costas de Castellón, de julio de 1956  
 a junio de 1957 (Hydrography and  
 photoplankton of the coasts of  
 Castellon, from July 1956 to June 1957).  
 En

A study of the annual cycle of the  
 plankton based on hydrographic  
 observations.

FiB:hr

M

Kawamoto, N.Y., Y. Inouye 585056  
 & S. Nakanishi (1957)  
Rep.Fac.Fish.Univ.Mio-Tsu, 2:437-47  
 Studies on effects by the pond-areas  
 and the densities of fish in the water  
 upon the growth rate of carp (Cyprinus  
carpio L.)

Growth rate for 7 months in relation  
 to ammonia & total nitrogen excreted.

WAD:tjj

MF

Vivos, F. & M. 585054  
 Lopez-Bonito (1957)  
Inv.pesq., 10:45-146  
 El fitoplancton de la ría de Vigo desde  
 julio de 1955 a junio de 1956. (The  
 phytoplankton of the firth of Vigo,  
 from July 1955 to June 1956). En

Deals with the seasonal distribution  
 of the different phytoplanktonic forms  
 from the harbour & firths of Vigo.

FiB:hr

M

McGrath, C.J. (1957) 585057  
Dublin, 27 p.  
 A report on a study tour of fishery  
 developments in Swodon

A detailed account of research on &  
 development of freshwater & anadromous  
 fish stocks in Swodon. Appendices on:  
 the use of malachite green to control  
 fungus; the collection & use of sea  
 wrack animals as a supplement to the  
 artificial diet; the cultivation of  
Daphnia at Höllo; & the wolf trap.

WAD:sjh

MF

Steinborg, R. (1957) 585055  
Prot.FischTech., 21:216-49  
 Unterwassergöräusche und Fischerrei  
 (Submarine noises and fishery)

Description of the production of  
 noises by fish, marine mammals &  
 crustaceans & the review of  
 investigations on the use for sub-  
 marine noises for location, attraction  
 & shunning of fish.

GLK:tl

M

Moyor-Waarden, (1958) 585058  
Allg.FischwirtschaftZtg., 10(38):14-6  
 Was können wir von der diesjährigen  
 Muschelsaison erwarten? (What can  
 be expected from the mussel-season of  
 this year?)

Critical outlook on the German mussel  
 production in 1958.

FAO:dr

M

Aboul-Elia, I.A. (1958)	584957	Belov, N.A. & N.N. Lapina (1958)	584496
Adams, M.N.E. & J.E.G.		Benson, A.A. & R. Wiser (1958)	584240
Raymont (1958)	584912	Berkeley, C. (1958)	584606
Adinolfi, M. & G. Chieffi (1958)	584335	Berkeley, E. & C.	
Ahlstrom, E.H. & al. (1958)	584374	Berkeley (1958)	584606
Alderdice, D.F. (1958)	584322 584607	Bernard, F. (1958)	584660
Alderdice, D.F. & W.P.		Bertelsen, E. (1958)	584331
Wickett (1958)	584605	Bigelow, H.B. & W.C.	
Alekseev, A.P. (1958)	584693	Schroeder (1958)	584647
Alfimov, N.N. (1957)	584543	Binder, E. (1957)	584203
Ali, M.A. (1958)	584608	Birman, I.B. (1958)	584498
Allen, E.K. (1957)	584565	Birshtein, I.A., A.I. Savilov	
Allen, J.A. (1958)	584917	& G.B. Udintsev (1958)	584685
Allison, L.N. (1957)	584816	Bishop, M.W.H. & D.J.	
Allison, L.N. (1958)	584267	Crisp (1958)	584682
Allison, R. (1957)	584823	Björnsson, O. (1957)	584739
Alm, G. (1958)	584951	Black, E.C. (1957)	584743
Alverson, D.L. (1957)	584750	Blair, A.A. (1957)	584985
Anadon, E. (1958)	584585	Blair, W.F. (1957)	584769
Anderson, D.L. (1958)	584657	Blair, W.F. (1958)	584673
Anderson, D.L. & W.F.		Bocquet, C. & R.	
Weeks (1958)	584656	Lejuez (1958)	584637
Anderson, I. (1957)	584279	Boie, H.J. & J.C.	
Andreu, B. (1958)	584583 584645	Hofmann (1957)	584521
Antão de Carvalho, V. (1957)	584772	Bone, Q. (1957)	584809
Apostolski, K. (1958)	584597	Boon, A.G. & A.L. Downing (1957)	584547
Armstrong, T. (1958)	584285	Booth, E. (1958)	584929
Arsen'yev, V.A. (1957)	584315	Boschetti, M.M. &	
Asbelev, V. (1958)	584954	T.F. McLoughlin (1957)	584391
Atkins, W.R.G. & H.H.		Bossolasco, M. & I.	
Poole (1958)	584942	Dagnino (1958)	584654
Augier, J. (1957)	585036	Boulding, K.E. (1957)	585009
Australia. Commonwealth (1957)	584696	Bowden, K.F. (1958)	584933 584958
Averin, Yu.V. (1957)	584310	Bowen, I. (1957)	584737
Bach, M.K. (1958)	584235	Bradford, A.D. (1958)	584722
Backus, R.H. (1957)	584708 584790	Brattström, H. (1957)	584803
Bahamonde, N.N. (1957)	585049	Bravo Hollis, M. (1957)	584576
Baldauf, R.J. (1957)	584774	Breckenridge, W.J. (1957)	584779
Baldwin, N.S. (1957)	584997	Brenes, M.R.R. (1957)	584577
Barber, F.G. (1957)	584749	Brett, J.R. & D.F.	
Barnes, B.I. (1958)	584925	Alderdice (1958)	584322 584607
Barnett, C.H., R.J. Harrison		Brett, J.R. & M.A. Ali (1958)	584608
& J.D.W. Tomlinson (1958)	584968	Brewin, B.I. (1958)	584377 584379
Barnett, P.R.O. (1958)	584915 584918	Bridger, J.P. (1958)	584946
Barry, R.J.C. & K.A.		Briggs, J.C. (1957)	584768
Munday (1958)	584920	Bristol Avon River Board (1957)	584527
Barthel, J. (1957)	584539	Broadfoot, W.M. (1958)	584848
Bartrand, D. (1957)	584399	Brockway, D.R. (1957)	584820
Bates, D.W. & R.		Brockway, D.R. (1958)	584263
Vinsonhaler (1957)	584970	Browand, F. (1957)	584217
Beak, T.W. (1957)	584367	Brown, T.E. & D.L.	
Beck, W.M., Jr. (1957)	584359	Wilson (1958)	584242
Bekker, V.E. (1958)	584493	Buckridge, T.N. (1957)	585000
Beklemishev, K.V. &		Budd, J. (1957)	584977
V.S. Korotkevich (1958)	584489	Budde, M.L. (1958)	584228
		Buhr, J. (1957)	585040

Bullock, G.L. (1957)	584814	Coates, J.A. (1957)	584818
Bumpus, D.F. & al. (1957)	584747	Cohen, S.B. (1957)	584216
Burdick, G.M. (1957)	584346	Cole, LaMont C. (1957)	584196
Burgen, A.S.V. & S.W. Kuffler (1957)	584810	Colebrook, J.M. (1958)	584935
Burnett, J.H. (1958)	584931	Coleman, F.G. (1958)	584761
Burnstock, G. (1957)	584811	College of the Pacific (1958)	584226
Buscemi, P.A. (1958)	584274	Concha, J. (1957)	585050
Buss, K. (1958)	584698	Concha, J. & F. Vargas (1957)	585047
Caballero, E.C. & R.R.		Conover, R.J. (1957)	584215
Brenes M. (1957)	584577	Conseil Permanent International pour l'Exploration de la Mer, Hydro- graphical Committee (1957)	584899
Cadenat, J. (1957)	584204 584207	Cooke, Wm.B. (1957)	584349 584354
Cadenat, J. & F.		Corbet, P.S. & S.A.	
Paraiso (1957)	584209	Corbet (1958)	584326
Cain, A.J. & G.A.		Corbet, S.A. (1958)	584326
Harrison (1958)	584681	Corcoran, E.F. (1958)	584517
California University. Scripps Institution of Oceanography (1958)	584678	Corlett, J. (1958)	584945
Campbell, B. (1957)	584756	Cornwall River Board (1957)	584528
Carlander, K.D., C.J. DiCostanzo & R.J. Jessen (1958)	584269	Cox, R.A. (1957)	584891
Carlson, C.B. (1958)	584318	Craig, R.D. (1957)	584903
Carlucci, A.F. (1957)	584395	Crease, J. (1957)	584895
Carpenter, K.J. (1958)	584898	Crisp, D.J. (1958)	584682
Carrie, B.G.A. (1958)	584909	Crossland, C. (1957)	584836
Carruthers, J.N. (1957)	584904	Cumbie, B.G. (1957)	584553
Cartwright, D.L. & L.J. Rydill (1957)	584882	Cushing, C.L., Jr. & J.R. Olive (1957)	584994
Caso, H.L. (1957)	584580	Daget, J. (1957)	584208
Cassady, R., Jr. (1957)	584738	Daget, J. & F.	
Cassie, R. Morrison (1958)	584802	d'Aubonton (1957)	584210
Cei, J.M. (1957)	584780	Dagnino, I. (1958)	584654
The Challenger Society (1958)	584850	Daisley, F.W. & L.R.	
Chalupa, J. & M.		Fisher (1958)	584923
Stěpánek (1957)	584388	Dall, W. (1957)	584838
Chambers, J.A. & J.H.		Dangeard, P. (1958)	584962
Burnett (1958)	584931	Danoy, H. & A. Kornois (1958)	584636
Charnock, H. & J. Crease (1957)	584895	Darbyshire, J. (1957)	584896
Chatwin, B.M. (1958)	584609	Darbyshire, J. & M.	
Chemical Insecticide Corporation (1958)	584864	Darbyshire (1957)	584890
Chen, P.S. (1958)	584249	Darbyshire, M. (1957)	584890
Cheprakova, Iu.I. (1958)	584484	d'Aubonton, F. (1957)	584210
Cherkasov, I.A. (1958)	584691	Daugherty, A.L. (1957)	584879
Chesters, C.G.C. & J.A. Stott (1958)	584932	Davis, D.S. (1957)	584525
Chieffi, G. (1958)	584335	Davy de Virvillo, A. & M. Donizot (1958)	584632
Chippindale, H.G. (1957)	584871	Dawbin, W.H. (1957)	584880
Chukhchin, V.D. (1957)	584622	Dawes, B. (1958)	584341
Clark, (1958)	584251	Dawes, B. & I. Griffiths (1958)	584514
Clarke, R. (1957)	584316	Dawson, C.L. (1957)	584873
Clemens, W.A. (1958)	584604	Deacon, G.L.R. (1957)	584800 584887
Cloudsley-Thompson, J.L. (1958)	584478		584888 584892 584897
		Dobysor, J. (1957)	585038
		Dekeysor, P.L. (1957)	584212
		Delaware Commission of Shell Fisheries (1957)	584468

Domerec, M. & al. (1957)	584195	Fauvel, P. & F.	
Donizot, M. (1958)	584632	Rullior (1957)	584202
Deschiens, R. & V.		Fellig, J. & M.K. Bach (1958)	584235
Molinari (1957)	584400	Filatova, Z.A. (1957)	584305
Deschiens, R., V. Molinari		Fischer-Pietto, E. &	
& D. Bartrand (1957)	584399	M. Prenant (1957)	585035
Detlaf, T.A. (1958)	584485	Fisher, L.R. (1958)	584923
Doufel, J. (1958)	584727 584842	Fisher, L.R., T.H. Goldio	
DiCostanzo, C.J. (1958)	584269	& P.A. Plack (1958)	584922
Diotrich, G. (1957)	584901	Fitzgerald, J.W. (1957)	584791
Diotz, R.S. (1958)	584233	Floming, A.M. (1957)	584745
Dimelow, L.J. (1958)	584339	Fontaine, Y.A. (1958)	584252
Dodd, J.M. (1958)	584930	FAO. Fisheries Biology	
Dodimead, A.J. & H.J.		Branch (1958)	584728
Hollister (1958)	584610	FAO. Fisheries Division, Economics	
Donaldson, L.R., D.D. Hansler		& Statistics Branch (1958)	584507
& T.N. Buckridge (1957)	585000	Forster, G.R. (1958)	584936
Dotsenko, A.P. (1958)	584689	Forth River Purification	
Doudoroff, P. (1957)	584364	Board (1957)	584529
Doudoroff, P. & C.E.		Foskott, D.R. (1958)	584611
Warren (1957)	584357	Foster, R.F. (1957)	584976
Downing, A.L. (1957)	584547	Fox, D.L. & M.F. Corcoran (1958)	584517
Downing, A.L. & K.V.		Fox, H. Munro (1957)	584872
Molbourn (1957)	584546	Fraga, F. (1958)	584639
Drinnan, R.E. (1958)	584588	Fraga, F. & M.a	
Dudal, R. (1958)	584764	Lopez-Capont (1958)	584641
Dunbar, M.J. (1957)	584307	Froeman, B. (1958)	584849
Duncan, C.J. (1958)	584680	Froeman, R.F.H. (1957)	584804
Dwivodi, S.N. (1957)	584548	Fridriksson, A. (1958)	584589 584591
Dymond, J.R. (1957)	585002		584592
		Fujii, T. (1958)	584666
Eboling, A.W. (1957)	584765	Fukuda, M. (1958)	584669
Edmonds, S.J. (1957)	584306 584837	Fuqua, C.L. (1958)	584471
Edson, E.F. (1958)	584598		
Edwards, R.W. (1958)	584714	Ganapati, P.N. & D.V.	
Ehrlich, S. (1957)	584292 584294	Subba Rao (1958)	584702
Ensiole, W. (1958)	584852	Gaskoll, T.F. (1958)	584255
Elliot, G.H. (1958)	584224	Gaufin, A.R. (1957)	584356
Elson, P.F. (1957)	585012 585013	Geagan, D.W. (1958)	584270
	585014 585015	George, R.W. (1957)	584755
Eltringham, S.K. (1958)	584914	Gerhardson, G.M. (1957)	584731
Eltringham, S.K. & P.R.O.		Gibbs, R.H., Jr. (1957)	584766 584787
Barnott (1958)	584918	Gihir, M. (1958)	584851
Emory, K.O. & R.E.		Gilmour, A.M. (1958)	584480
Stevenson (1957)	584277	Glagolova, M.A. (1958)	584491
Essapian, F.S. (1957)	584863	Glover, R.S. (1958)	584926
Evans, F. (1958)	584716	Godfroy, H. (1958)	584612
		Goldio, M.H. (1958)	584922
Fah-Hsuon, L. (1957)	585031	Golonchenko, A.P. (1958)	584690
Faller, A.J. (1958)	584658	Goncharov, V.P. (1958)	584483
Fango, R. (1958)	584338	Goodall, R.G. (1957)	584744
Farley, J.L. (1957)	585006	Gordon, H. Scott (1957)	584734
Farquharson, W.I. (1957)	584295	Gordon, I. (1958)	584712
Farris, D.A. (1958)	584254	Gorham, M. (1957)	584396
Fast, T.N. (1957)	584784	Gottlieb, M. (1958)	584967

Grassl, E.F. (1957)	584996	Hodgson, W.C. (1958)	584949
Grassl, E.F. (1958)	584265	Hoedeman, J.J. (1957)	584572
Green, J. (1958)	584679	Hoedeman, J.J. (1958)	584573
Griffiths, I. (1958)	584514	Hofmann, J.C. (1957)	584521
Grogoryev, A.A. (1957)	584562 584563	Hollister, H.J. (1958)	584610
Grim, J. (1957)	584554	Holman, J.A. (1957)	584773
Grin, A.M. (1958)	584687	Holthuis, L.B. (1958)	584472
Grundy, F. (1957)	584545	Holthuis, L.B. & E. Gottlieb (1958)	584967
Guibé, J. & M. Lamotte (1957)	584211	Hommersand, M.H. (1958)	584238
Guilcher, A. (1957)	584296	Horridge, G.A. (1957)	584808
Gunston, D. (1958)	584723	Horton, H.F. (1957)	584825
Hacker, V.A. (1957)	584973	Hosoya, Y. (1958)	584671 584672
Haines, R.G. (1958)	584855	Hourston, A.S. (1958)	584613
Hajnal, J. (1957)	584197	Hourston, W.R. & D. MacKinnon (1957)	584987
Halver, J.E. & J.A. Coates (1957)	584818	Howell Rivero, L. (1958)	584581
Hansen, D.F. (1957)	584831	Howells, G. (1958)	584919
Hansler, D.D. (1957)	585000	Hubbs, C. & R.A. Reynolds (1957)	584701
Hardy, E. (1958)	584320	Hudson, J.J. (1957)	584756
Harrison, G.A. (1958)	584681	Humes, A.G. (1957)	584206
Harrison, R.J. (1958)	584968	Humphrey, G.F. (1958)	584721
Harrison, V.R. (1957)	584763	Iakovenko, M.Ia. (1958)	584653
Harrold, L.L. (1958)	584758	Ide, F.P. (1957)	584986
Harry, H.W., B.G. Cumbie & J.M.d. Jesus (1957)	584553	Igarashi, H. & Y. Hosoya (1958)	584671 584672
Harvey, L. (1958)	584856	Igarashi, S. (1958)	584667
Harward, L.D. (1957)	584541	Inaba, Y. (1958)	584664
Harwood, F.L. & K.C. Wilson (1957)	584389	Ingham, S.L. (1957)	584805
Hasler, A.D. (1957)	585029	Ingram, W.M. (1957)	584355 584541
Hayes, J.S. (1957)	585010	Inoue, N. (1958)	584668
Hazzard, A.S. (1957)	584776	Inouye, Y. (1957)	585056
Healstead, B.W. (1958)	584595	International Fisheries Convention (1958)	584469
Hedgpeth, J.W. (1957)	584276	International Hydrographic Bureau (1958)	584695
Helgeson, D.A. (1957)	584762	International Pacific Salmon Fisheries Commission (1957)	584835
Henderson, C. (1957)	584348 584989	International Pacific Salmon Fisheries Commission (1958)	584508
Henderson, C. & R.F. Foster (1957)	584976	Iogansen, B.G. & al. (1958)	584501
Henderson, G.T.D. (1958)	584924	Ishiyama, R. (1958)	584878
Hendey, H.I. (1958)	584913	Italy. Istituto Centrale di Statistica (1957)	584470 584876
Henson, P.R. & J.L. Stephens (1958)	584859	Ives, K.J. (1957)	584383 584393
Herbert, D.W.M. & al. (1957)	584392	Ivlev, V. (1958)	584953
Herrera, J. (1958)	584842	Iyer, H.H. (1958)	584934
Herrera, J. & R. Margalef (1957)	585053	James, A. (1958)	584840
Herring, J.L. (1958)	584330	Jamson, D.L. (1957)	584771
Hess, W.C. (1957)	584763	Jennings, A.R. (1957)	584802
Hewer, H.R. (1957)	584861	Jensen, A.J.C. (1958)	584590
Hillman, W.S. (1958)	584241	Jensen, K.W. (1957)	585023
Hoar, W.S., M.H.A. Keenleyside & R.G. Goodall (1957)	584744		
Hockley, A.R. & S.K. Eltringham (1958)	584914		

Jessen, R.J. (1958)	584269	Lackey, J.B. (1957)	584351
Jesus, J.M.d. (1957)	584553	LaDue, W.R. (1957)	584382
Jitts, H.R. & H. Rotschi (1957)	585026	Lagunov, I. & V. Asbelev (1958)	584954
Joeris, L.S. (1957)	584983	Lake, J.S. (1957)	584753
Johnson, F.H. (1957)	584993	Lamotte, M. (1957)	584211
Johnson, G. (1958)	584961	Lapina, N.N. (1958)	584496
Johnson, W.L. (1958)	584614	Larkin, P.A., J.G. Terpenning & R.R. Parker (1957)	584974
Jones, N.R. (1958)	584710	Lassleben, P. (1957)	584526
Jónsson, S. (1958)	584633	Laughton, A.S. (1957)	584893
Jørgensen, J. (1957)	584317	Lawrence, J.M. (1958)	584272
Joseph, J. (1957)	584907	Laws, R.M. (1957)	584313
Joyce, J.A. (1958)	584477	Lear, D.W. (1958)	584706
Jubb, R.A. (1957)	584806	Leary, T.R. (1957)	584777 584792
Jubb, R.A. (1958)	584593	Lebouché, A.-M. (1957)	585037
Kabler, P. (1957)	584350	Leitilä, N. (1958)	584725
Kanazawa, R.H. (1957)	584782	Leivestad, H. (1958)	584340
Kawamoto, N.Y., Y. Inouye & S. Nakanishi (1957)	585056	Lejuez, R. (1958)	584637
Keenseyside, M.H.A. (1957)	584744	Leonov, A.K. (1957)	584297
Kemp, R.J., Jr. (1957)	584795	Letichevskii, M.A. (1958)	584497
Kennedy, W.A. (1957)	585005	Leven, G.V., V.R. Harrison & W.C. Hess (1957)	584763
Kernéis, A. (1958)	584636	Lewis, A.J. (1958)	584854
Kesteven, G.L. (1957)	584874	Lewis, W.M. (1957)	584829
Kiker, J.E. (1957)	584387	Lieder, U. (1957)	584846
King, J.E. (1958)	584329	Lienesch, G. (1957)	584736
Kinney, E.C. (1957)	584971	Lincolnshire River Board (1957)	584530
Kirby, E.S. & E.F. Szczepanik (1957)	584735	Lindberg, K. (1957)	584205
Kirkpatrick, H. (1958)	584600	Lindner, M.J. (1957)	585008
Kirpichnikov, V.S. (1957)	584847	Littlejohn, M.J. (1958)	584569
Kiseleva, M.I. (1957)	584625	Lockley, A.S. (1957)	584786
Kitai, H. (1957)	584293	Longuet-Higgins, M.S. (1957)	584884
Klausewitz, W. (1957)	584570	Longuet-Higgins, M.S. (1958)	584885 584894
Klumov, S.K. (1958)	584683	Lopez-Benito, M. (1957)	584511
Knake, B.O. (1958)	584466	Lopez-Benito, M. (1958)	585054
Knauss, J.A. & J.E. King (1958)	584329	Lopez-Benito, M. (1958)	584586
Knöpp, H. (1957)	584518	Lopez-Capont, M.a. (1958)	584641
Kobayashi, K. & N. Inoue (1958)	584668	Louder, D.E. & W.M. Lewis (1957)	584829
Koblents-Mishke, O.I. (1958)	584490	Love, R.M. (1958)	584227
Koch, W. (1958)	584966	Low, E.M. (1958)	584549
Koloss, E.I. (1957)	584624	Lüdemann, D. (1957)	584522 584538
Konlev, A.M. (1957)	584302	Lukton, A. (1958)	584513
Korotkevich, V.S. (1958)	584489	Lund, J.W.G. & J.F. Talling (1957)	584291
Korringa, P. (1958)	584959 584960	Mackenthum, K.M. (1957)	584360
Koyama, T. (1957)	585024	MacKinnon, D. (1957)	584987
Kraiushkina, L.S. (1957)	584623	Mahajan, S.D. (1958)	584568
Kreiskott, H. (1958)	584282	Malkovich, T.A. (1958)	584502
Krotkov, G. (1958)	584236	Mann, H. (1958)	584843
Kudinova-Pasternak, R.K. (1957)	584621	Mann, K.H. (1958)	584336
Kühlhorn, F. (1958)	584283	Mansfield, A.W. (1958)	584552

Margalef, R. (1957)	585053	Morrow, J.E. (1957)	584785	585017
Margalef, R. (1958)	584643	584659	585018	585019
Margalef, R. & B. Andreu (1958)	584645	Mosby, H. (1958)		584940
Margolis, L. (1958)	584615	Motl, L.F. (1957)		584978
Maroc. Service Centrale de Statistique (1958)	584676	Motohiro, T. (1958)		584670
Marr, J. (1957)	584677	Mousset, G. & R. Vibert (1957)		585039
Marsh, W.R. (1958)	584881	Mozzi, C. (1957)		584868
Marshall, N.B. (1958)	584229	Mukerjee, H. (1958)		584234
Marshall, S.M. & A.P. Orr (1957)	584928	Muncy, R.J. (1958)		584707
Martin, N.V. (1957)	585025	Munday, K.A. (1958)		584922
Martin, W.R. (1957)	584988	Munoz Sardon, F. (1958)		584584
Mather III, F.J. & R.H. Gibbs, Jr. (1957)	584751	Murphy, G.J. (1958)		584704
Mathias, A.P., D.M. Ross & M. Schachter (1957)	584787	Nadezhin, V.M. (1957)		584303
Mayne, B.C. (1958)	584798	Nair, N. Balakrishnan & H. Leivostad (1958)		584340
McCashland, B.W. & W.R. Marsh (1958)	584244	Nakanishi, S. (1957)		585056
McGrath, C.J. (1957)	584229	Needler, A.W. (1958)		584603
McLain, A.L. (1957)	585057	Neol, J.K. (1957)		584365
McLaren, I.A. (1958)	584992	Neil, J.H. (1957)		584361
McLoughlin, T.F. (1957)	584323	Neprochnov, Iu.P. (1958)		584487
McMichael, D.F. (1958)	584391	Newcombe, C.L. (1957)		584368
Mead, A.P. (1957)	584375	Nowell, G.L. (1958)		584921
Mead, G.W. (1957)	585010	Nowman, O.F. (1957)		584398
Medcof, J.C. (1957)	584783	Newton, L. (1958)		584222
Meehean, O.L. (1957)	584797	Noyman, J. & L.L. Scott (1957)		584198
Mehendale, D.D. & V.B. Tombe (1958)	584371	Nicholls, A.G. (1957)		584754
Melbourne, K.V. (1957)	584703	Nikoliokin, N.I. (1958)		584648
Meredith, W.G. (1958)	584546	Nikolskii, G. (1958)		584952
Merkel, J.R., A.F. Carlucci & D. Pramer (1957)	584705	Nilos, T.M. (1957)		584390
Meyer-Waarden, (1958)	584395	Nomoto, Y. (1958)		584661
Meyer-Waarden, P.F. & K. Tiows (1957)	585058	Oehmcke, A.A. & al. (1958)		584515
Miller, R.B. (1957)	584877	Oldfield, E. (1958)		584916
Miller, R.B. & R.C. Thomas (1957)	584742	Olive, J.R. (1957)		584994
Miller, R.R. (1957)	584991	Olivor, J.H. (1958)		584910
Milne, A. (1958)	584975	Orr, A.P. (1957)		585025
Modcl, F. (1958)	584718	Owen, G. (1958)		584938
Moffett, A.W. (1958)	584301	Palenichko, Z.G. (1957)		584303
Moffett, J.W. (1957)	584221	Palmor, C.M. (1957)		584352
Moffett, J.W. (1958)	585003	Paraiso, F. (1957)		584209
Mohr, L. (1957)	584474	Parker, R.R. (1957)		584974
Molinari, V. (1957)	584312	Parrot, A.-G. (1957)		585033
Moore, H.B. (1958)	584400	Patrick, R. (1957)		584353
Moore, J.C. & F.G. Wood, Jr. (1957)	584225	Paulian, P. (1957)		584314
Morales, L. (1958)	584862	Pavlovsky, L.N. (1957)	584557	584558
Morotti, G. (1958)	584638		584559	584560
Morris, R.F. (1957)	584258		584627	584628
	584259	Pechacek, L.S. & C.L. Sowards (1957)		584827
	584260	Perkins, F.L. (1957)		584832
	585032	Pfirsch, R. (1958)		584634
		Philippines. Bureau of Fisheries (1957)		584865

Phillips, A.M., Jr.			
& D.R. Brockway (1957)	584820		
Phillips, A.M., Jr.			
& D.R. Brockway (1958)	584263		
Pillsbury, R.W. (1957)	584796		
Plack, P.A. (1958)	584922		
Plat, J.G. (1957)	584869		
Pokrovskaya, T.N. (1957)	584309		
Polyanskiy, Yu.I., Z.G. Palenichko			
& V.M. Nadezhin (1957)	584303		
Poole, H.H. (1958)	584942		
Portugal. Commissao Contral			
de Pescarias (1957)	584473		
Portugal. Gromio dos Armadores			
da Pesca da Baleia (1958)	584476		
Posner, G.S. (1957)	585021		
Poulsen, E.M. (1958)	584199		
Powell, H.T. (1958)	584717		
Pramor, D. (1957)	584395		
Pronant, M. (1957)	585035		
Provost, G. (1957)	584990		
Provorov, N.V. (1957)	584311		
Pruginin, Y. &			
H. Kitai (1957)	584293		
Puri, G.S. & S.D.			
Mahajan (1958)	584568		
Purin, V.R. (1958)	584650		
Randall, J.E. &			
A.W. Moffott (1958)	584221		
Rao, D.V. Subba (1958)	584702		
Rao, S.V.S. (1957)	584519		
Rass, T.S. (1958)	584688		
Rawson, D.S. (1957)	584969		
Raymont, J.E.G. (1958)	584912		
Raymont, J.E.G. &			
B.G.A. Carrio (1958)	584909		
Rood, R.J. (1957)	584794		
Rois, J.N. (1957)	584366		
Roish, D.J. (1957)	584363		
Roisner, G.S. (1958)	584239		
Ronn, C.E. (1957)	584369		
Ronnie, P.J. (1957)	584799		
Reynolds, R.A. (1957)	584701		
Richman, S. (1958)	584567		
Rickor, W.E. (1958)	584616		
Riddick, T.M. (1957)	584544		
Rinkel, M.O. (1957)	584778		
Rioja, E. (1957)	584578		
Roberts, B. (1958)	584286		
Rochford, D.J. (1957)	584752		
Rodewald, (1957)	585042	585044	
Rodewald-Rudoscu, L. (1958)	584280		
Roman, E. (1958)	584223		
Romanova, A.P. (1958)	584503		
Roso, W. (1957)			584740
Rosonauor, H. (1958)			584601
Ross, D.M. (1957)		584798	584807
Rotschi, H. (1957)			585026
Royco, W.F. (1957)			584963
Rubin, H. (1958)			584246
Ruf, M. (1957)			584523
Ruhr, C.L. (1957)			584980
Ruibal, R. (1957)			584770
Rullior, F. (1957)			584202
Russoll, C.R. (1958)			584376
Russoll, W.M.S. (1957)			585011
Russoll, W.M.S., A.P. Moad			
& J.S. Hayos (1957)			585010
Rydill, L.J. (1957)			584882
Saddington, K. (1958)			584397
Saito, S. &			
T. Fujii (1958)			584666
Saiz, F. (1958)			584582
Samson, V.J. (1958)			584467
Sand, R.F. (1957)			584981
Sandon, H. (1957)			584870
Sarynina, R.N. (1957)			584905
Savilov, A.I. (1957)			584304
Savilov, A.I. (1958)			584685
Sawyer, P.J. (1957)			584788
Scattergood, L.W. (1957)			585007
Schachter, M. (1957)			584798
Schafer, H.E., Jr. &			
D.W. Geagan (1958)			584270
Schensted, I.V. (1958)			584674
Schindler, O. (1957)			584248
Schmidt-Nielsen, K.			
& R. Fange (1958)			584338
Schroeder, R.C. (1957)			584781
Schroeder, W.C. (1958)			584647
Schumacher, A. (1958)			584299
Schumacher, R.E. (1958)			584261
Schwartz, F.J. &			
W.G. Meredith (1958)			584705
Schweigger, E. (1958)			584596
Scidmore, W.J. (1957)			584821
Scott, A. (1957)			584733
Scott, D. (1958)			584281
Scott, D.M. &			
W.R. Martin (1957)			584751
Scott, E.L. (1957)			584198
Seaburg, K.G. (1957)			584828
Sedyh, K.A. &			
R.N. Sarynina (1957)			584905
Seguin, L.-R. (1957)			584979
Sexton, O. (1957)			584775
Sharikov, Iu.D. &			
I.A. Cherkasov (1958)			584691

Shaw, J. (1958)	584550	584713	Straub, C.P. (1957)	584540
Shemanskii, Iu.A. (1958)		584652	Sugarawa, K., T. Koyama & K. Terada (1957)	585024
Shepart, M.P. & F.C. Withler (1958)		584617	Sukhotskiy, V. (1957)	584298
Shetter, D.S. (1957)		585001	Sundharagiati, B. (1957)	584860
Shimadate, M. & al. (1957)		584833	Surber, E.W. (1957)	584358
Shiraishi, Y. (1957)		584834	Sutherland, D.F. (1958)	584509
Shmalgauzen, I.I. (1957)	584556	584629	Svetovidov, A.N. (1957)	584564
		584630	Swain, A. & O.F. Newman (1957)	584398
Shrift, A. (1958)		584245	Szarski, H. (1957)	584699
Shuleikin, V.V. (1958)		584488	Szczepanik, M.F. (1957)	584735
Sievers, R.H. (1958)		584516		
Siewing, R. (1957)		584711	Tageeva, N.V. (1958)	584492
Simpson, A.C. (1958)		584741	Talling, J.F. (1957)	584291
Sjöblom, V. (1958)		584724	Tanaka, Y. (1958)	584662 584663
Skellam, J.G. (1958)		584332	Tanikawa, E. & T. Motohiro (1958)	584670
Skerman, T.M. (1958)	584479	584481	Tarzwel, C.M. (1957)	584344 584372
Smillie, R.M. & G. Krotkov (1958)		584236	Tarzwel, C.M. & C. Henderson (1957)	584989
Smith, F.G. Walton (1957)		584213	Tavolga, M.C. & F.S. Essapian (1957)	584863
Smith, J.L.B. (1957)		584793	Taylor, C.C. (1958)	584947
Smith, J.L.B. (1958)		584694	Tebble, N. (1958)	584325
Smith, S.H. (1957)		585004	Tembe, V.B. (1958)	584703
Snieszko, S.F. & G.L. Bullock (1957)		584814	Templeman, W., H.J. Squires & A.M. Fleming (1957)	584745
Solomon, M.E. (1958)		584719	Terada, K. (1957)	585024
Solway River Purification Board (1957)		584531	Terhune, L.D.B. (1958)	584618
The Somerset River Board (1957)		584532	Terpenning, J.G. (1957)	584974
Sorokin, J.I. (1957)		585028	Tharratt, R.C. (1958)	585022
Soskin, I.M. (1957)		584908	Thomas, J.D. (1957)	584813
Soulsby, E.J.L. & A.L. Jennings (1957)		584802	Thomas, R.C. (1957)	584991
The South West Wales River Board (1957)		584533	Thompson, J.F. & G.S. Reisner (1958)	584239
Sowards, C.L. (1957)		584827	Thompson, P.L. (1957)	584214
Spikes, J.D., B.C. Mayne & R.W. van Norman (1958)		584244	Tiews, K. (1957)	584877
Squires, H.J. (1957)		584745	Tomlinson, J.D.W. (1958)	584968
Srinivasachar, H.R. (1958)		584675	Tortonese, L. (1958)	584720
Stander, G.H. (1958)		584200	Tricart, J. (1957)	584201
Steele, D.H. (1957)		584746	Trout, G.C. (1958)	584948
Steele, J.H. (1957)		584900	Trueman, E.R. (1957)	584812
Steinberg, R. (1957)		585055	Trueman, E.R. (1958)	584927
Steinborn, E. (1957)		585041	Truog, J.R. (1957)	584982
Stěpánek, M. (1957)		584388	Tschapok, M. (1957)	584757
Stephens, J.L. (1958)		584859	Tsivoglou, E.C., E.D. Harward & W.M. Ingram (1957)	584541
Stephenson, W., J.J. Hudson & B. Campbell (1957)		584756	Tuck, G.L. (1958)	584911
Stern, J.A. & al. (1958)		584602	Tucker, M.J. (1957)	584886
Stevens, R.I. & J.R. Truog (1957)		584982	Tungate, D.S. (1958)	584587
Stevenson, R.E. (1957)		584277	Turner, C.L. (1957)	584767
Stolk, A. (1958)		584715	Turvey, R. (1957)	584730
Stott, J.A. (1958)		584932	Turvey, R. & J. Wiseman (1957)	584729

Udintsev, G.B. (1958)	584685	Warren, C.E. &	
Union Géodésique & Géophysique		P. Doudoroff (1957)	584364
Internationale (1958)	584253	Warron, P.J. (1958)	584943 584956
U.K. Department of Scientific		Washington (State) Department	
& Industrial Research (1958)	584520	of Fisheries (1957)	584867 585030
U.K. Metropolitan		Waters, T.F. (1957)	584998
Water Board (1957)	584386	Watts, J.C.D. (1958)	584342
U.K. Ministry of Agriculture		Wear & Tocs	
Fisheries & Food (1957)	584230	River Board (1957)	584534
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585046		Weeks, W.F. &	
U.N. (1957)		D.L. Anderson (1958)	584657
U.S. Federation of Sewage & Industrial		Weis, D.S. &	
Wastes Association (1957)	584555	H. Mukorjee (1958)	584234
U.S. Navy Hydrographic		Wolander, A.D. (1957)	584789
Office (1957)	584300	Welland River Board (1957)	584535
U.S. Public		Wolls, G.P. (1958)	584551
Health Service (1957)	584347	Wells, V. (1958)	584510
Ushakov, P.V. (1958)	584684	Wentworth, J. &	
Uspenskii, S.M. (1958)	584686	L. Harvye (1958)	584856
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van Oosten, J. (1957)	584839	River Board (1957)	584536
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Vargas, F.F. &		Whalls, M.J., D.S. Shottor	
J. Concha B. (1957)	585050	& J.E. Vondett (1957)	585001
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Villalobos, A. (1957)	584579	Wicklör, W. (1957)	584571
Vinogradov, M.Ye. (1957)	584308	Wickstead, J.H. (1958)	584944
Vinsonhaler, R. (1957)	584970	Wilson, C.A. (1958)	584594
Virtanen, A.I. (1957)	584759	Wilson, D.M. (1958)	584242
Vives, F. &		Wilson, J.N. (1957)	584370
M. Lopez-Benito (1957)	585054	Wilson, K.C. (1957)	584389
Vladimirskaya, M.N. (1958)	584955	Wilson, R.C. &	
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Vodianitskii, V.A. (1958)	584649	Wimponny, R.S. (1958)	584941
Voight, W., Jr. (1958)	584697	Winter, H.A. (1957)	584574
Vol'fkovich, S.I. (1957)	584760	Wiseman, J. (1957)	584729
Volpe, E.P. (1957)	584700	Wiser, R. (1958)	584240
von Brandt, A. (1957)	584278	Withlor, F.C. (1958)	584617
Vondett, J.M. (1957)	585001	Withnor, C. &	
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Waldichuk, M. (1958)	584619	Wundor, W. (1958)	584845 584853
Wales, J.H. (1957)	584866	Wyo River Board (1957)	584537
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Zaitsov, G.N. (1957)	584906
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Zariquicy Alvarez, R. (1958)	584644
Zootowoj, H. (1957)	584732
Zotin, A.I. (1958)	584486 584495

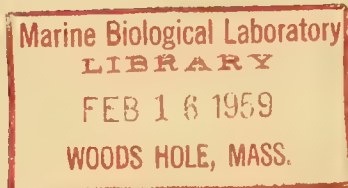
Anonymous (1957)	584218 584380
	584381 584384 584385
	584524 584709 584815
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	584858 584889

Anonymous (1958)	584219 584220
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	584651 584692 584726
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	584964 584965

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

Viale delle Terme di Caracalla, Rome, Italy

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CURRENT BIBLIOGRAPHY FOR FISHERIES SCIENCE

prepared by

Biology Branch, Fisheries Division

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Curr.Bibliogr.Fish.Sci., 1(10)

Rome, December 1958

containing: geographic index 1(9), references and author index to,  
585059-585898

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[2.1(2)]



## Errata

Please correct Errata as follows:

Substitute cards 584833 and 584834 with the following:

Shimadate, M. & al. (1957) 584833  
Bull.Freshw.Fish.Res.Lab., Tokyo, 7(1):  
1-31

(Effect of fertilization and  
significance of artificial feeding to  
fish production in farm pond, Shioda  
Plain, Nagano Prefecture). Ni En

Studies on feeding habits of Cyprinus  
carpio & Carassius auratus, chemical  
fertilization & intensive feeding on  
production.

FiB:wad

F

Shiraishi, Y. (1957) 584834  
Bull.Freshw.Fish.Res.Lab., Tokyo, 7(1):  
33-55

Feeding habit of pond-smelt, Hypomesus  
olidus and plankton succession in lake  
Suwa (Pt. 1)

Limnology of the lake & biology of this  
smolt.

FiB:wad

MF

1(6):T3: 1,99 FISHES, MISC. 581856 is repeated twice. The second should read  
581956

584546 "therefore made" to be cancelled

584025	Monthly Service Bulletin, 7(7) should read	7(8)
584235	<u>Plant hysiol.</u>	<u>Plant Physiol.</u>
584391	<u>Notropsis</u>	<u>Notropis</u>
584636	bottom	bottle
584903	hatching several test	hatching. Several tests
584965	biat	bait
585050	Sicyasos	<u>Sicyasos</u>



Addenda

Eddy, S. (1957) 581010  
Wm. C. Brown Co., Dubuque, Iowa, 254 p.  
How to know the freshwater fishes

Incl. keys for identification of all the fish of the U.S. which are regarded as strictly fresh-water spp., & also incl. a number of marine spp. which often enter fresh water. Also distribution & conditions for existence, activities, & reproduction; & structure of a fish.

:glk

MF



100	AFRICA			
111	Tunisia		584714	
113	Morocco	584676	584677	585035
114	Canary Is.		584632	
122	United Arab Republic (Egypt)		584438	
128	Somalia		584451	
130	<u>Africa, E. Central</u>		584334	
132	Uganda		584841	
141	Fr. W. Africa	584201	584202	
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144	Sierra Leone		584342	
145	Nigeria		584840	
147	Belg. Congo		584600	
150	<u>Africa, S.</u>		584200	
152	S.W. Africa		584200	
154	Union of S. Africa	584456	584457	584458
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157	Federation of Rhodesia and Nyasaland		584593	
163	New Amsterdam and St. Paul Is.		584314	
200	NORTH AMERICA			
210	<u>Canada</u>	584250	584295	584362
		584434	584435	584617
		584751	584770	585015
211	Canadian Arctic		584323	584606
212	British Columbia		584215	584322
		584603	584604	584609
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213	Alberta		584991	
213	Saskatchewan		584969	
214	Ontario		584361	584988
215	Quebec	584270	584979	584999
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216	Labrador		584708	
217	New Brunswick		585014	
220	<u>Alaska</u>	584401	584402	584983
230	<u>United States of</u>		584371	584382
	<u>America</u>	584462	584463	584464
		584516	584738	584770
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231	Washington State	584867	584964	584976
231	Oregon	584364	584425	584565
232	California	584254	584266	584363
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		584784	584857	585016
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233	Colorado			584994
234	Minnesota	584779		584821
234	Missouri			584365
234	Wisconsin	584515	584700	584973
234	Illinois		584781	584829
234	Michigan	584267	584996	584998
235	New Mexico			584266
235	Texas		584792	584795
235	Tennessee			584980
235	Mississippi		584594	584849
236	USA, New England			584787
236	Massachusetts		584747	584939
236	Connecticut			584785
237	USA, Middle Atlantic States			584787
237	New York			584939
237	Maryland	584414	584704	584705
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237	Pennsylvania		584698	584722
		584794		
237	Delaware			584468
238	S. Carolina	584395	584429	584939
238	Florida	584359	584412	584856
		584859	584981	
300	LATIN AMERICA			585008
311	Mexico	584443	584574	584576
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314	Costa Rica		584577	584700
321	Br. W. Indies		584327	584716
321	Bahamas			584327
322	Cuba		584319	584783
325	Puerto Rico			584553
334	Surinam			584453
342	Peru	584596	585017	585018
		585019	585021	
343	Chile			585049
351	Brazil			584772
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354	Falkland Is.			584289
400	ASIA			
413	Israel		584216	584293
423	India	584519	584548	584568
		584703	584709	
432	Thailand			584860
433	Malaya			584376
433	Singapore			584944
437	Philippines			584865
444	Korea		584442	584471
451	Japan	584441	584661	584665
		584668	584833	584834
		584869	584878	585024
453	Formosa			585031



IN	<u>Pacific, N.</u>	584307	584308	584419
		584431	584498	584565
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IN.02	Sea of Okhotsk			584304
IN.03	Bering Sea	584297		584502
ISW	Indian Ocean	584793		585026
ISW.01	Red Sea			584836
ISE	Pacific, S.E.			584226
P	POLAR SEAS			
PN	<u>Arctic Ocean</u>	584287	584296	584298
		584496	584653	584686
PN.02	Kara Sea			584309
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PSEW	S. Polar Seas	584286		584288
		584315	584489	
PSEW.02	Weddell Sea			584301
L	INLAND SEAS AND INTERTERRITORIAL LAKE SYSTEMS			
L.21	<u>American Great Lakes</u>			584358
		584411	584474	584971
		584975	584977	584983
		585002	585003	585004
		585005	585006	
L.72	<u>Caspian Sea</u>			584492
L.75	<u>L. Baikal</u>			584503



Kurita, S. (1957) 585059  
Bull.Tokai Fish.Res.Lab., (18):1-14  
(Causes affecting the size of sardine stock in the waters off Japan and adjacent regions with particular reference to the catch declining since 1941). Ni En

Attempt to compute the relation between the size & the annual natural increase of a fish stock on the basis of data of catch, rate of exploitation & of some other fishing conditions. Results of the use of the derived equations in computing sardine stocks in Japanese waters.

FAO:glk

M

Okubo, K. (1957) 585062  
Bull.Tokai Fish.Res.Lab., (18):31-6  
(Study on the bio-assay method for the evaluation of water pollution - I. An attempt to use brine shrimp as a test animal). Ni En

Report of experiments with Artemia salina L.

FAO:glk

M

Nagasaki, F. & K. 585060  
Matsumoto (1957)  
Bull.Tokai Fish.Res.Lab., (18):15-9  
Homing tendency of the bachelor seals to their native rookeries. Ni

Attempt to show numerically the so-called "homing" tendency of the bachelor seals from data of tag recoveries from the commercial kill.

FAO:glk

M

Fukai, R., S. Kojima & 585063  
T. Maruyama (1957)  
Bull.Tokai Fish.Res.Lab., (18):37-46  
(On the variations of nutrient salts in the water of the Lavernursery located along the coast of Nagai, Kanagawa Prefecture). Ni En

Report of observations made seeking correlation between the growth of laver & water quality of nurseries.

FAO:glk

MF

Fukai, R. & F. Shiokawa (1957) 585061  
Bull.Tokai Fish.Res.Lab., (18):21-30  
(Studies on the growth of laver (Polphyra spp.) with reference to chemical environment - I. On the analytical method for inorganic components of laver as indices for the varying environment). Ni En

Detailed description of the systematic procedures for analysis on semi-micro-scale.

FAO:glk

MF

Higashi, H. & al. (1957) 585064  
Bull.Tokai Fish.Res.Lab., (18):47-72  
(Utilization of discarded trawl catches as feed for livestock). Ni En

Sampling surveys & laboratory assays of discarded catches to determine their amount, spp. composition & nutritive value.

FAO:glk

M

Takayama, S. & T. 585065  
Koyama (1958)  
Bull. Tokai Fish. Res. Lab., (19): 1-26  
Studies on trawl net - I. A net-mouth  
stretcher working on kite principle.  
Ni

Account of model experiments with  
comparison of height of net mouth &  
comparison of net figurations.  
Estimation of hydraulic resistance in  
various parts of the kite & account of  
field experiments.

FAO:glk

II

Reed, E.B. (1958) 585068  
Canad. J. Res. (Zool.), 36: 663-70  
Two new species of Diaptomus from  
Arctic and Subarctic Canada (Calanoida,  
Copepoda)

Diagnoses of 2 new spp. of fresh-water  
copepods are presented, Diaptomus  
wilsonae from ponds of the Hudson Bay  
lowlands, & Diaptomus victoriaensis  
from tundra ponds on Victoria Island,  
N.W.T.

FAO:glk

F

Takayama, S. & T. 585066  
Koyama (1958)  
Bull. Tokai Fish. Res. Lab., (19): 27-40  
(Studies on midwater trawling - I.  
A midwater trawl with a single  
warp). Ni En

Account of model experiments in an  
experimental tank & of field  
experiments.

FAO:glk

II

Poll, M. (1957) 585069  
An. Mus. Congo belge, 54 (Ser. 8): 191 p.  
Les genres des poissons d'eau douce  
de l'Afrique (The genera of fresh  
water fishes of Africa)

Contains list of classes, orders,  
families & genera of fish of Africa  
south of the Sahara; general characters  
of the families; general distribution  
of the ichthyological fauna; ill. keys  
for the determination of families &  
genera.

WAD hr

F

McCauley, R.W. (1958) 585067  
Canad. J. Res. (Zool.), 36: 655-62  
Thermal relations of geographic races  
of Salvelinus

2 geographic races each of Salvelinus  
fontinalis & S. alpinus respectively  
were compared with respect to their  
upper lethal temperatures & the effect  
of temperature on cruising speed.

FAO:glk

F

Food & Agriculture Organization 585070  
of the United Nations (1957)  
FAO/ETAP Rep., (718): 131 p.  
Report on the training course and study  
tour on irrigation and drainage held in  
the U.S.S.R. (7 Aug.-17 Sept., 1956)

Lectures deal with water & land  
resources, multipurpose water use,  
research & training in reclamation work.  
Fish culture in Tsymlianskaia reservoir,  
& plans for fish breeding centres on the  
Don are mentioned.

GLK tjj

F

John, D.M. & W.W. 585071  
Brown (1958)  
Bull.Mar.Ecol., 5:44-50  
Continuous plankton records: list of records, 1955-1957

Account of continuous plankton recorder survey of North Sea, with tables comprising month by month list of records arranged chronologically & charts showing recorder tows.

FAO:efa M

Hommeril, P. (1958) 585074  
Bull.Com.contr.Océanogr., 10:559-610  
Erosion et sédimentation à Saint-Aubin sur Mer (Calvados) (Erosion & sedimentation at Saint-Aubin sur Mer, Calvados)

Geographic & geological description of the area. Account of mechanical, biological & biochemical erosion. Description of the displacement of moveable materials & of the characteristics of moveable formations.

FAO:glk M

Longuinov, V.V. (1958) 585072  
Bull.Com.contr.Océanogr., 10:531-40  
Quelques résultats de la mesure des pressions d'ondes de fond horizontales dans la zone maritime littorale (Some results from the measurement of the pressure of bottom horizontal waves in marine littoral zone)

Description of an apparatus for instantaneous measurement of the pressure produced on materials at the bottom by water movement at variable speed, having regard for the influence of these pressures on the movement of sediments in the coastal zone. Some results from use of the instrument.

FAO:glk M

Anonymous (1958) 585075  
Fish.News Lott.Aust., 17(9):5  
Reasons for cray conservation measures

Notes on the condition of the fishery, the reason for regulatory action, & 2 regulations recently introduced.

GLK:glk M

Vantroys, L. (1958) 585073  
Bull.Com.contr.Océanogr., 10:541-58  
Les divers aspects mathématiques dynamiques ou cinématiques du problème des marées. Part. II. L'aspect énergétique du problème des marées (The various dynamic or cinematic mathematical aspects of the problem of tides. Part II. The energetic aspect of the problem of tides)

Global energetic balance, localized energy, active, reactive & complex power, determination of the tide by limiting conditions.

FAO:glk M

Wells, V. (1958) 585076  
Fish.News Lott.Aust., 17(9):29  
Surveying Aust. pearling beds

Continuation of narrative account of operations.

GLK:glk M

Anonymous (1958) 585077  
Comm.Fish.Rev., 20(7):19  
American Samoa - Native fishermen  
learning long-line tuna fishing  
technique

Contents as per title.

FAO:glk M

Anonymous (1958) 585080  
Comm.Fish.Rev., 20(7):22-3  
Coast and geodetic survey - Charting  
of coastal waters begins

FAO: M

Anonymous (1958) 585078  
Comm.Fish.Rev., 20(7):20-1  
California - Aerial techniques being  
developed to census commercial and sport  
fishing

FAO: M

Anonymous (1958) 585081  
Comm.Fish.Rev., 20(7):26-7  
Florida - Shrimp tagging program

FAO M

Anonymous (1958) 585079  
Comm.Fish.Rev., 20(7):21-2  
California - Aerial fish spotting  
utilized by some California vessels

FAO: M

Anonymous (1958) 585082  
Comm.Fish.Rev., 20(7):27-8  
Great Lakes fishery investigations -  
Field test of chemical for killing  
young sea lamprey successful

Contents as per title.

FAO:glk F

Anonymous (1958) 585083  
Comm.Fish.Rev., 20(7):28-9  
Great Lakes fishery investigations -  
Survey of western lake Erie continued  
by M/V CISCO

Contents as per title.

FAO:glk

F

Anonymous (1958) 585086  
Comm.Fish.Rev., 20(7):32  
Gulf exploratory fishery program -  
Survey of midwater schooling fish  
continued in Gulf of Mexico (M/V OREGON  
cruise 50)

Contents as per title.

FAO:glk

M

Anonymous (1958) 585084  
Comm.Fish.Rev., 20(7):29-30  
Gulf exploratory fishery program -  
Exploratory survey of sardine-like  
fishes in Gulf of Mexico (M/V OREGON  
cruise 49)

Contents as per title.

FAO:glk

M

Anonymous (1958) 585087  
Comm.Fish.Rev., 20(7):32-3  
Maryland - Contribution of shell  
plantings to oyster production

Contents as per title.

FAO:glk

MF

Anonymous (1958) 585085  
Comm.Fish.Rev., 20(7):30-2  
Gulf exploratory fishery program -  
Red snapper exploratory trawling trip  
on Campeche Bank (M/V SILVER BAY  
cruise 8)

Contents as per title.

FAO:glk

M

Anonymous (1958) 585088  
Comm.Fish.Rev., 20(7):34  
North Atlantic fisheries exploration  
and gear research - Hard-shell and surf  
clam exploration started by M/V  
SUNAPLE

Contents as per title.

FAO:glk

M

Anonymous (1958) 585089  
Comm.Fish.Rev., 20(7):35  
North Atlantic fisheries exploration  
and gear research - Launce or sand eel  
explorations off New England coast  
initiated

Contents as per title.

FAO:glk

M

Anonymous (1958) 585092  
Comm.Fish.Rev., 20(7):36-7  
North Atlantic fisheries investigations -  
Life history studies of various species  
of industrial fish and scallops  
initiated (M/V JACQUELYN)

Contents as per title.

FAO:glk

M

Anonymous (1958) 585090  
Comm.Fish.Rev., 20(7):35-6  
North Atlantic fisheries exploration  
and gear research - Tuna fishing  
explorations in western North Atlantic  
continued (M/V DELAWARE cruise 58-2)

Contents as per title.

FAO:glk

M

Anonymous (1958) 585093  
Comm.Fish.Rev., 20(7):37-8  
North Atlantic fisheries investigations -  
Underwater television research off  
Cape Cod (M/V ALBATROSS III cruise 109)

Contents as per title.

FAO:glk

M

Anonymous (1958) 585091  
Comm.Fish.Rev., 20(7):36  
North Atlantic fisheries investigations -  
Haddock samples collected for  
ecological studies (M/V SILVER MINE)

Contents as per title.

FAO:glk

M

Anonymous (1958) 585094  
Comm.Fish.Rev., 20(7):38  
North Atlantic fisheries investigations -  
High-speed plankton sampler and  
multiplane kite otter tested (M/V  
ALBATROSS III cruise 110)

Contents as per title.

FAO:glk

M

Anonymous (1958) 585095  
Comm.Fish.Rev., 20(7):38  
North Atlantic fisheries investigations-  
Vertical distribution of fish eggs and  
larvae studied off Georges Bank (M/V  
ALBATROSS III cruise 111)

Contents as per title.

FAO:glk

M

Anonymous (1958) 585098  
Comm.Fish.Rev., 20(7):40  
Pacific oceanic fishery investigations -  
Charts of monthly mean temperatures for  
North Pacific surface waters

Contents as per title.

FAO:glk

M

Anonymous (1958) 585096  
Comm.Fish.Rev., 20(7):39-40  
North Pacific exploratory fishery  
program - Commercial shrimp catches  
off coast of Washington (M/V JOHN N.  
COBB cruise 37)

Contents as per title.

FAO:glk

M

Anonymous (1958) 585099  
Comm.Fish.Rev., 20(7):40-1  
Pacific oceanic fishery investigations -  
Equatorial tuna studies

FAO:

M

Anonymous (1958) 585097  
Comm.Fish.Rev., 20(7):40  
Oysters - Heavy spring rains threaten  
Virginia industry

FAO:

MF

Anonymous (1958) 585100  
Comm.Fish.Rev., 20(7):41  
Pacific oceanic fishery investigations -  
Hawaiian skipjack studies

FAO:

M

Anonymous (1958) 585101  
Comm.Fish.Rev., 20(7):41  
Pacific oceanic fishery investigations -  
Albacore tuna program

FAO: M

Anonymous (1958) 585104  
Comm.Fish.Rev., 20(7):42  
Pacific oceanic fishery investigations -  
Hawaiian skipjack tagging program

FAO: M

Anonymous (1958) 585102  
Comm.Fish.Rev., 20(7):41-2  
Pacific oceanic fishery investigations -  
Tilapia studies

FAO: MF

Anonymous (1958) 585105  
Comm.Fish.Rev., 20(7):42-4  
Pacific oceanic fishery investigations -  
Survey of Marquesas Islands for tuna  
resources continued (M/V HUGH M. SMITH  
cruise 43)

Contents as per title.

FAO:glk M

Anonymous (1958) 585103  
Comm.Fish.Rev., 20(7):42  
Pacific oceanic fishery investigations -  
Production of Tilapia for tuna bait  
continues satisfactorily

Contents as per title.

FAO:glk MF

Anonymous (1958) 585106  
Comm.Fish.Rev., 20(7):45-6  
Tuna - Yellowfin, skipjack, and big-  
eyed tuna fisheries trends

Contents as per title.

FAO:glk M

Anonymous (1958) 585107

Comm.Fish.Rev., 20(7):49

Virginia - Abundance of menhaden in  
1959 predicted

Contents as per title.

FAO:glk

MF

Anonymous (1958) 585110

Comm.Fish.Rev., 20(7):53-4

International - Scientists show how to  
catch more fish

FAO

MF

Anonymous (1958) 585108

Comm.Fish.Rev., 20(7):49

Virginia - Fresh-water fish from  
rivers tributary to Chesapeake Bay  
invade salt water

Contents as per title.

FAO:glk

MF

Anonymous (1958) 585111

Comm.Fish.Rev., 20(7):55

Australia - Japanese pearl-shell  
fishermen barred from territorial  
waters

Contents as per title.

FAO:glk

M

Anonymous (1958) 585109

Comm.Fish.Rev., 20(7):50

Virginia - Upper seed area in James  
river sustains heavy oyster mortality

Contents as per title.

FAO:glk

MF

Anonymous (1958) 585112

Comm.Fish.Rev., 20(7):55

Brazil - Japanese-controlled fishing  
company announces plans for 1958  
whaling season

Contents as per title.

FAO:glk

M

<p>Anonymous (1958) 585113  <u>Comm.Fish.Rev.</u>, 20(7):53  Haiti - Japanese fishery company plans  to base tuna fishing operations in  Haiti</p> <p>Contents as per title.</p> <p>FAO:glk M</p>	<p>Anonymous (1958) 585116  <u>Comm.Fish.Rev.</u>, 20(7):61-2  Japan - Statement on fishing in  coastal waters of U.S.S.R.</p> <p>FAO</p>
<p>Anonymous (1958) 585114  <u>Comm.Fish.Rev.</u>, 20(7):61  Japan - Discovery of Pacific albacore  tuna spawning grounds</p> <p>Contents as per title.</p> <p>FAO:glk M</p>	<p>Anonymous (1958) 585117  <u>Comm.Fish.Rev.</u>, 20(7):62  Mexico - Long-liner lands tuna trip  at gulf port</p> <p>FAO M</p>
<p>Anonymous (1958) 585115  <u>Comm.Fish.Rev.</u>, 20(7):61  Japan - Fishery landings in 1957 at  record high</p> <p>FAO M</p>	<p>Anonymous (1958) 585118  <u>Comm.Fish.Rev.</u>, 20(7):63  Norway - Cod fisheries trends through  May 3, 1958</p> <p>FAO: M</p>

Anonymous (1958) 585119  
Comm.Fish.Rev., 20(7):65  
Spain - Bilbao area fisheries trends,  
March 1957

FAO: M

Anonymous (1958) 585122  
Comm.Fish.Rev., 20(7) 67  
United Kingdom - 19th Russian trawler  
launched

FAO: M

Anonymous (1958) 585120  
Comm.Fish.Rev., 20(7):65-6  
Spain - Vigo fisheries trends, January-  
March 1958

FAO: M

Anonymous (1958) 585123  
Comm.Fish.Rev., 20(7):68-9  
United Kingdom - Two new factoryships  
similar to "Fairtry"

Contents as per title.

FAO:glk M

Anonymous (1958) 585121  
Comm.Fish.Rev., 20(7):66  
U.S.S.R. - International cooperative  
herring research in the Norwegian  
sea planned

Contents as per title.

FAO:glk M

Canada. Department of 585124  
Fisheries (1958)  
Vancouver, B.C., 13 p.  
Summary of fisheries statistics of  
British Columbia, 1957 (Preliminary)

A preliminary review of fisheries  
statistics for British Columbia for  
1957, presenting the total value of fish  
& by-products, & fishery trends.

:glk MF

Anonymous (1958) 585125  
New Scient., 4:1144  
Floating villages of Hong Kong

Notes on some socio-economic research  
in these fishing communities.

FAO glk

II

Cloot, R.L. (1958) 585126  
New Scient., 4:1146-8  
Changes in the shape of the Goodwin  
Sands

This famous sandbank, frequently  
surveyed because of its position in a  
crowded seaway, is lengthening by about  
40 feet a year and, more slowly,  
growing wider. The bank is also  
rotating at about half a degree every  
10 years.

FAO:glk

M

Nicholls, A.G. (1958) 585127  
Aust.J.Mar.Freshw.Res., 9:167-90  
The Tasmanian trout fishery. III. The  
rivers of the north and east

Daily catches of Salmo trutta from N  
& S Esk systems show decrease with  
increase in licences, but no change in  
mean sizes, growth rate or mean age;  
decline shown by personal canvass of  
anglers to be due to inaccuracies in  
routine catch reporting.

HR:sjh

F

Erantor, D.J. (1958) 585128  
Aust.J.Mar.Freshw.Res., 9:191-216  
Reproduction in Australian pearl  
oysters (Lamollibranchia). III.  
Pinctada albina (Lamarck): breeding  
season and sexuality

Samples, mostly from Thursday I. area,  
studied histologically & with respect  
to general gonad condition, showed  
evidence of continuous year-round  
breeding, but most actively at time  
of falling sea temperatures, & peak  
at minimum temperature in June-August.  
Discussion of sea changes in this &  
other lamollibranchs.

HR:sjh

M

Womersley, H.B.S. & S.J. 585129  
Edmonds (1958).  
Aust.J.Mar.Freshw.Res., 9:217-60  
A general account of the intertidal  
ecology of south Australian coasts

Results of surveys over past 10 years,  
ill. & reported under headings:  
Environmental features - geology, topo-  
graphy, hydrography, meteorology;  
Terminology & nomenclature; W & Central  
coasts - subdivided according to degree  
of wave action; SE coast biogeographical  
relationships of flora & fauna.

HR:sjh

I

Stephenson, W., R. Underan & 585130  
I. Bonnett (1958).  
Aust.J.Mar.Freshw.Res., 9:261-318  
An ecological survey of the marine  
fauna of Low Isles, Queensland

Ill. report of surveys made 1928-9 &  
then in 1954 to ascertain effect of  
1950 cyclone, & other changes. Topo-  
graphy, hydrography & climate, methods  
used; spp. index; description of each  
zone; discussion under headings:  
Destruction of corals & recolonization;  
changes in the specific composition of  
the fauna since 1928-9; ecology of the

585130  
(Card 2)

stony corals; cyclone debris;  
the permanence of the moat system;  
the mangrove-dominated habitats;  
the general ecology & biogeography of  
the commoner animals; information still  
required.

HR:sjh

M

Inter-American Tropical  
Tuna Commission (1958)

585134

La Jolla, 134 p.

Annual Report for the year 1957.

En Es

Summarizes the programme of & progress  
in investigations, reports the action  
of the Commission at its annual  
meeting. An appendix gives a report by  
the Director of the Commission's  
investigations dealing with compilation  
of current statistics, investigations  
on tuna & bait fish populations & on  
physical, chemical & biological  
oceanography.

GLK:glk

M

Weatherley, A.H. (1958) 585132

Aust.J.Mar.Freshw.Res., 9:159-66

Growth, production, and survival of  
brown trout in a large farm dam

Results, since 1951, of stocking a  
N. Tasmanian pond with Salmo trutta.  
Hydrography, plankton & benthos before  
& after.

HR:sjh

F

Woodcock, A.H. (1958)

585135

Tellus, 10:355-71

The release of latent heat in tropical  
storms due to the fall-out of sea-salt  
particles

Observations of atmospheric sea salt  
in a hurricane are used to estimate  
the weight of salt in the clear air at  
cloud levels. These quantities are then  
used to determine the rate of release  
of heat in the moist air layers below,  
due to condensation on this salt as it  
falls from the relatively dry air at  
higher levels.

FAO:glk

M

McIlrath, W.J. & J. Skok (1958) 585133

Bot.Gaz., 119:231-3

Boron requirement of Chlorella  
vulgaris

Study to determine whether a boron  
requirement could be demonstrated for  
Chlorella.

FAO:tl

F

Howard, G.V. & A. Landa (1958) 585136

Bull.interam.trop.Tuna Comm., 2:391-467

A study of the age, growth, sexual  
maturity, and spawning of the anchoveta  
(Cetongraulis mysticetus) in the Gulf  
of Panama. En Es

Sources of data, description of methods  
of determination of age & measurement  
of growth, with analysis of length  
frequency data, & relative abundance of  
age groups, time & frequency of spawning,  
age at first maturity & consideration  
of a 'gonad index' to sexual maturity.

GLK:glk

M

Taylor, C.B. (1957) 585137

J.Mar.Res., 16(1):1-11

Extreme sea water temperatures and densities along the North Atlantic States during summer 1955

Consideration of the influence of high air temperatures on sea water temperature, of the influence of hurricanes & run-off on densities, or salinities, & of the factors determining the lag between rainfall & noticeable dilution & the delay in return to normalcy.

GLK:glk

M

Stewart, R.W. (1957)

585140

J.Mar.Res., 16(1):34-9

A note on the dynamic balance in estuarine circulation

Because of the large tidal velocities & small dimensions of estuaries, it is not justified to ignore the effects of the curvature of flow when computing the dynamic balance of the current system.

GLK:glk

M

Freeman, J.C., Jr., L. Baer 585138

& G.H. Jung (1957)

J.Mar.Res., 16(1):12-22

The bathystrophic storm tide

Simple physical assumptions are used, & justified, to define a "bathystrophic" flow & to show mathematically that this flow is of great importance in the computation of storm tides. Time of change of tide has been calculated using traditionally accepted formulae & constants.

GLK:glk

M

Yoshida, K. & H.-L. Mao (1957) 585141

J.Mar.Res., 16(1):40-54

A theory of upwelling of large horizontal extent

Based on certain hypotheses, vertical motion in the upper layers is found to be related to the poleward transport in the lower layers. Upwelling off the California coast, based on recent data, is examined. A new method of locating regions of upwelling with the approximate velocity is proposed.

GLK:glk

M

Spiess, F.N. (1957) 585139

J.Mar.Res., 16(1):23-33

Acceleration measurements in the deep ocean

Instrumentation for measurement of accelerations of a small water mass well below the surface is described & some initial results presented with brief discussion of the possibility of broader applications of the technique.

GLK:glk

M

Glozen, W.H. (1957)

585142

J.Mar.Res., 16(1):55-9

An external core catcher for oceanographic work

A core catcher for use with short gravity-type core barrels is described. A flat plate at the foot of a pair of pivot arms is closed to bring under the bottom of the core barrel after the barrel is withdrawn from the bottom. A float-weight lever arm actuates the device.

GLK:glk

M

Power, E.A. (1958) 585143  
Fish. Leaflet, Wash., (393):42 p.  
Fisheries of the United States and  
Alaska, 1957 (A preliminary review)

Review of commercial fishery  
activities in 1957.

:ofa

MF

Washington (State) 585146  
Department of Fisheries (1958)  
Olympia, Wash., 12 p.  
Salmon rehabilitation and hatcheries -  
Activities and accomplishments

A brief report containing facts about  
salmon; the role of hatcheries; a  
description of original experiment  
stations; developments in artificial  
propagation; summary of the Pacific  
salmon family; hatching methods &  
accomplishment of hatcheries; over-all  
rehabilitation objectives; & locations  
of hatcheries in Washington.

:ofa

MF

Gordon, B.L. (1958) 585144  
Nature Mag., 51(4):205-7  
The omnivorous codfish

Tells where the cod fishery is located,  
& describes briefly the life history  
of the cod past & present methods of  
capture, & methods of preservation.

:glk

M

Scotland (1958) 585147  
Edinburgh, Scotland, 68 p.  
Report on the fisheries of Scotland,  
1957

Accounts of herring, white fish, shell-  
fish, & salmon fisheries; by-products  
production; fishery regulations;  
scientific investigations; harbour  
studies & improvements; with statistics  
covering catch & number of persons  
engaged in Scottish fisheries.

:ofa

MF

Lunz, G.R. (1958) 585145  
Contr. Bears Bluff Lab., (27):17 p.  
Notes on a non-commercial crab of the  
genus Callinectes in trawl catches in  
South Carolina

Description of spawning, sex ratio, &  
temperature, salinity & depth  
preference of non-commercial Callinectes.

:ofa

M

U.S. Department of the Interior 585148  
Fish & Wildlife Service (1958)  
Fish. Leaflet, Wash., (336jj):46 p.  
Commercial fisheries outlook

Notes on business activity, food  
situation, fishery production, cold-  
storage holdings, markets for edible  
fish & industrial products, imports,  
exports. Bibliographic list.

FAO:ofa

MF

Bidwell, R.G.S., J.S. Craigie 585149  
& G. Krotkov (1958)

Science, 128:776

Biosynthesis of radioactive mannitol  
from  $C^{14}O_2$  by Fucus vesiculosus

Reports procedures of & results from  
analyses for radioactive mannitol.

FAO:ofa

M

Wundsch, H.H. (1958)

585152

Dtsch.FischZtg., 5:129-34

Die Abwasserfrage in unseren Gewässern  
und die Fischerei (The sewage  
problems in our waters and fisheries)

Popular report.

FAO:dr

F

Dean, D. (1958)

585150

Science, 128:837

Now property of the crystalline style  
of Crassostrea virginica

Study of the direct effect of low  
acidity of the style, comparable with  
that of the stomach, on cells of  
Cryptomonas sp., & of the effect of  
the style & its strong amylase.

FAO:glk

M

Scheil, H.-J. (1958)

585153

Dtsch.FischZtg., 5:135-9

Abwassersorgen der Zuckerfabriken  
(On the sugar-refines sewage  
troubles)

Brief general report.

FAO:dr

F

Dyk, V. (1958)

585151

Biología, 13:710-5

Příspěvek k znalosti počtu jiker u  
vysokehorských pstruhů (Contribution  
to the knowledge of the number of eggs  
produced by trouts living in the  
alpine area). Ru Do

Description of the reproduction  
ability of trout stocks under alpine  
conditions.

FAO:dr

F

Wundsch, H.H. & R. Geyer (1958) 585154

Dtsch.FischZtg., 5:140-4

Zur praktischen Anwendung der Schätzung  
des Sauerstoffgehalts im Fischwasser  
nach Hofer (On the application of  
estimating the oxygen content in fish-  
waters by applying the method of Hofer)

Critical review of 4 methods applied  
for oxygen estimation.

FAO:dr

F

Conseil Permanent Internationale 585155  
pour l'Exploration de la Mer (1958)  
Copenhagen, 3 p.  
Consultative Committee

I. Proceedings; II. Recommendations.

FiB: M

Conseil Permanent Internationale 585158  
pour l'Exploration de la Mer (1958)  
Copenhagen, 1 p.  
Distant Northern Seas Committee

I. Proceedings; II. Communications;  
III. Programme of Work; IV.  
Recommendations.

FiB: M

Conseil Permanent Internationale 585156  
pour l'Exploration de la Mer (1958)  
Copenhagen, 1 p.  
Statistical Committee

I. Proceedings; II. Recommendations.

FiB: M

Conseil Permanent Internationale 585159  
pour l'Exploration de la Mer (1958)  
Copenhagen, 2 p.  
Near Northern Seas Committee

I. Proceedings; II. Communications;  
III. Programme of Work;  
IV. Recommendations.

FiB: M

Conseil Permanent Internationale 585157  
pour l'Exploration de la Mer (1958)  
Copenhagen, 8 p.  
Hydrographical Committee

I. Proceedings; II. Communications;  
III. Recommendations.

FiB: M

Conseil Permanent Internationale 585160  
pour l'Exploration de la Mer, (1958)  
Copenhagen, 1 p.  
Baltic-Belt Seas Committee

I. Proceedings; II. Communications;  
III. Programme of Work;  
IV. Recommendations.

FiB: M

Conseil Permanent Internationalo 585161  
pour l'Exploration de la Mer (1958)  
Copenhague, 1 p.  
Comité Atlantique (Atlantic  
Committee)

I. Proceedings; II. Communications;  
III. Programme of Work;  
IV. Recommendations.

FiB:

M

Conseil Permanent Internationalo 585164  
pour l'Exploration de la Mer (1958)  
Copenhague, 2 p.  
Herring Committee

I. Proceedings; II. Communications;  
III. Recommendation.

FiB

M

Conseil Permanent Internationalo 585162  
pour l'Exploration de la Mer (1958)  
Copenhague, 4 p.  
Comparative Fishing Committee

I. Proceedings; II. Contributions;  
III. Resolutions.

FiB

M

Conseil Permanent Internationalo 585165  
pour l'Exploration de la Mer (1958)  
Copenhague, 1 p.  
Comité de la sardino (Sardino  
Committee)

I. Proceedings; II. Communications;  
III. Programme of Work.

FiB:

M

Conseil Permanent Internationalo 585163  
pour l'Exploration de la Mer (1958)  
Copenhague, 2 p.  
Gadoid Fish Committee

I. Proceedings; II. Communications;  
III. Considerations; IV. Programme of  
Work; V. Recommendation.

FiB:

M

Conseil Permanent Internationalo 585166  
pour l'Exploration de la Mer (1958)  
Copenhague, 1 p.  
Comité des poissons scombriformes  
(Scombriform Fish Committee)

I. Proceedings; II. Communications;  
III. Programme of Work;  
IV. Recommendations.

FiB

M

Conseil Permanent Internationale 585167  
pour l'Exploration de la Mer (1958)  
Copenhagen, 2 p.  
Salmon and Trout Committee

I. Proceedings; II. Communications;  
III. Recommendations.

FiB:

MF

Jónsson, J. (1958) 585170  
Adm.Rep. ICES, (2):4 p.  
Distant Northern Seas Committee 1957

Contains 585171 to 585177.

FiB:

M

Conseil Permanent Internationale 585168  
pour l'Exploration de la Mer (1958)  
Copenhagen, 2 p.  
Shollfish Committee

I. Proceedings; II. Biological  
Considerations; III. Communications;  
IV. Recommendations.

FiB:

M

Hanson, P.M. (1958) 585171  
Adm.Rep. ICES, (2):1  
Distant Northern Seas Committee 1957 -  
Denmark

In 585170.

FiB:

M

Conseil Permanent Internationale 585169  
pour l'Exploration de la Mer (1958)  
Copenhagen, 1 p.  
Plankton Committee

I. Proceedings; II. Communications;  
III. Recommendations.

FiB:

M

Kotthaus, A. (1958) 585172  
Adm.Rep. ICES, (2):1-2  
Distant Northern Seas Committee 1957 -  
Germany

In 585170.

FiB:

II

Jónsson, J. (1958) 585173  
Adm.Rep.ICES, (2):3  
Distant Northern Seas Committee 1957 -  
Iceland  
In 585170.

FiB: M

Trout, G.C. & B.B. Rao (1958) 585176  
Adm.Rep.ICES, (2):4  
Distant Northern Seas Committee 1957 -  
United Kingdom, I. England, II.  
Scotland  
In 585170.

FiB: M

Went, A.M.J. (1958) 585174  
Adm.Rep.ICES, (2):3  
Distant Northern Seas Committee 1957 -  
Ireland  
In 585170.

FiB: M

Anonymous (1958) 585177  
Adm.Rep.ICES, (2):4  
Distant Northern Seas Committee 1957 -  
U.S.S.R.  
In 585170.

FiB: M

Rasmusson, B. (1958) 585175  
Adm.Rep.ICES, (2):3  
Distant Northern Seas Committee 1957 -  
Norway  
In 585170.

FiB: M

Korringa, P. (1958) 585178  
Adm.Rep.ICES, (3):5 p.  
Near Northern Seas Committee 1957 -  
Contains 585179 to 585188.

FiB: M

<p>Loloup, E. (1958) 585179  <u>Adm.Rep.ICES</u>, (3):1  Near Northern Seas Committee 1957 -  Belgium</p> <p>In 585178.</p> <p>FiB: M</p>	<p>Franco. Institut do 585182  Pêchos (1958)  <u>Adm.Rep.ICES</u>, (3):3  Near Northern Seas Committee 1957 -  France</p> <p>In 585178.</p> <p>FiB: M</p>
<p>Bertolson, E. (1958) 585180  <u>Adm.Rep.ICES</u>, (3):1  Near Northern Seas Committee 1957 -  Denmark</p> <p>In 585178.</p> <p>FiB: M</p>	<p>Hempel, G. (1958) 585183  <u>Adm.Rep.ICES</u>, (3):3  Near Northern Seas Committee 1957 -  Germany</p> <p>In 585178.</p> <p>FiB: M</p>
<p>Wimpeny, R.S. (1958) 585181  <u>Adm.Rep.ICES</u>, (3):2  Near Northern Seas Committee 1957 -  England and Wales</p> <p>In 585178.</p> <p>FiB: M</p>	<p>Booroma, L.K. &amp; M. 585184  Roossingh (1958)  <u>Adm.Rep.ICES</u>, (3):3-4  Near Northern Seas Committee 1957 -  Netherlands</p> <p>In 585178.</p> <p>FiB: M</p>

Mulicki, Z. (1958) 585185  
Adm.Rep.ICES, (3):4  
Near Northern Seas Committee 1957 -  
Poland

In 585178.

FiB: M

Birjukov, N.P. (1958) 585188  
Adm.Rep.ICES, (3):5  
Near Northern Seas Committee 1957 -  
U.S.S.R.

In 585178.

FiB: M

Wood, H. (1958) 585186  
Adm.Rep.ICES, (3):4-5  
Near Northern Seas Committee 1957 -  
Scotland

In 585178.

FiB: M

Jonson, Aa.J.C. (1958) 585189  
Adm.Rep.ICES, (4):2 p.  
Baltic-Belt Seas Committee 1957

Contains 585190 to 585194.

FiB: M

Anonymous (1958) 585187  
Adm.Rep.ICES, (3):5  
Near Northern Seas Committee 1957 -  
Sweden

In 585178.

FiB: M

Jenson, Aa.J.C. (1958) 585190  
Adm.Rep.ICES, (4):1  
Baltic-Belt Seas Committee 1957 -  
Finland

In 585189.

FiB: M

Kändler, R. (1958) 585191  
Adm. Rep. ICES, (4):1  
Baltic-Bolt Seas Committee 1957 -  
Germany

In 585189.

FiB: M

Demontjova, T. (1958) 585194  
Adm. Rep. ICES, (4):2  
Baltic-Bolt Seas Committee 1957 -  
U.S.S.R.

In 585189.

FiB: II

Poland. Sea Fisheries 585192  
Instituto (1958)  
Adm. Rep. ICES, (4):1-2  
Baltic-Bolt Seas Committee 1957 -  
Poland

In 585189.

FiB: M

Furnostin, J. (1958) 585195  
Adm. Rep. ICES, (5):3 p.  
Comité Atlantique 1957 (Atlantic  
Committee)

Contains 585196 to 585200.

FiB: II

Otterlind, G. (1958) 585193  
Adm. Rep. ICES, (4):2  
Baltic-Bolt Seas Committee 1957 -  
Sweden

In 585189.

FiB: M

Bortolson, E. (1958) 585196  
Adm. Rep. ICES, (5):1  
Comité Atlantique 1957 - Denmark  
(Atlantic Committee - Denmark)

In 585195.

FiB: M

Navarro, F. de P. (1958) 585197  
Adm.Rep.ICCS, (5):1  
Comité Atlantique 1957 - Espagne  
(Atlantic Committee - Spain)

In 585195.

FiB:

M

Borodatov, V. (1958) 585200  
Adm.Rep.ICCS, (5):2-3  
Comité Atlantique 1957 - USSR  
(Atlantic Committee - USSR)

In 585195.

FiB:

M

Went, A.E.J. (1958) 585198  
Adm.Rep.ICCS, (5):1  
Comité Atlantique 1957 - Irlande  
(Atlantic Committee - Ireland)

In 585195.

FiB:

M

Lucas, C.J. (1958) 585201  
Adm.Rep.ICCS, (6):5 p.  
Comparative Fishing Committee 1957

Contains 585202 to 585211.

FiB:

M

Franco. Institut des 585199  
Pêches (1958)  
Adm.Rep.ICCS, (5) 1-2  
Comité Atlantique 1957 - Franco and  
Union Française (Atlantic Committee  
- France and French Union)

In 585195.

FiB:

M

Gilis, Ch. (1958) 585202  
Adm.Rep.ICCS, (6):2  
Comparative Fishing Committee 1957 -  
Belgium

In 585201.

FiB:

M

Jonson, Aa.J.C. (1958) 585203  
Adm.Rep.ICES, (6):2  
Comparative Fishing Committee 1957 -  
Denmark

In 585201.

FiB: M

Boeroma, L.K. (1958) 585206  
Adm.Rep.ICES, (6):3  
Comparative Fishing Committee 1957 -  
Netherlands

In 585201.

FiB: M

Margotts, A.R. (1958) 585204  
Adm.Rep.ICES, (6):2  
Comparative Fishing Committee 1957 -  
England

In 585201.

FiB: M

Sactorsdal, G. (1958) 585207  
Adm.Rep.ICES, (6):4  
Comparative Fishing Committee 1957 -  
Norway

In 585201.

FiB: M

von Brandt, A. (1958) 585205  
Adm.Rep.ICES, (6):2-3  
Comparative Fishing Committee 1957 -  
Germany

In 585201.

FiB: M

Cioglowicz, W. (1958) 585208  
Adm.Rep.ICES, (6):4  
Comparative Fishing Committee 1957 -  
Poland

In 585201.

FiB: M

Parrish, B.B. (1958) 585209  
Adm.Rep.ICES, (6):4-5  
Comparative Fishing Committee 1957 -  
Scotland  
  
In 585201.

FiB: M

Rollofson, G. (1958) 585212  
Adm.Rep.ICES, (7):6 p.  
Gadoid Fish Committee 1957  
  
Contains 585213 to 585227.

FiD M

Otterlind, G. (1958) 585210  
Adm.Rep.ICES, (6):5  
Comparative Fishing Committee 1957 -  
Sweden  
  
In 585201.

FiB: M

Hanson, P.M. (1958) 585213  
Adm.Rep.ICES, (7):1  
Gadoid Fish Committee 1957 - Denmark.  
Greenland  
  
In 585212.

FiB: M

Troschov, A. (1958) 585211  
Adm.Rep.ICES, (6):5  
Comparative Fishing Committee 1957 -  
U.S.S.R.  
  
In 585201.

FiB: M

Joonson, J.S. (1958) 585214  
Adm.Rep.ICES, (7):1  
Gadoid Fish Committee 1957 - Denmark.  
Faroes  
  
In 585212.

FiD: M

Knudson, J. (1958) 585215  
Adm. Rep. ICES, (7):1  
Gadoid Fish Committee 1957 - Denmark.  
North Sea  
  
In 585212.

FiB: M

Franco. Institut des 585218  
Pêches (1958)  
Adm. Rep. ICES, (7):2  
Gadoid Fish Committee 1957 - Franco  
  
In 585212.

FiB: M

Trout, G.C. (1958) 585216  
Adm. Rep. ICES, (7):1-2  
Gadoid Fish Committee 1957 - England  
  
In 585212.

FiB: M

Schmidt, U. (1958) 585219  
Adm. Rep. ICES, (7):2-3  
Gadoid Fish Committee 1957 - Germany  
  
In 585212.

FiB: M

Halmo, E. (1958) 585217  
Adm. Rep. ICES, (7):2  
Gadoid Fish Committee 1957 - Finland  
  
In 585212.

FiB: M

Jónsson, J. (1958) 585220  
Adm. Rep. ICES, (7):3  
Gadoid Fish Committee 1957 - Iceland  
  
In 585212.

FiB: M

Wont, A.E.J. (1958) 585221  
Adm.Rep.ICLS, (7):4  
Gadoid Fish Committoo 1957 - Ireland  
In 585212.

FiB:

M

Jones, R. (1958) 585224  
Adm.Rep.ICLS, (7):4-5  
Gadoid Fish Committee 1957 - Scotland  
In 585212.

FiB:

M

Saotorsdal, G. (1958) 585222  
Adm.Rep.ICLS, (7):4  
Gadoid Fish Committoo 1957 - Norway  
In 585212.

FiB:

M

Guesta, J. (1958) 585225  
Adm.Rep.ICLS, (7):5  
Gadoid Fish Committee 1957 - Spain  
In 585212.

FiB:

M

Rutkowicz, St. (1958) 585223  
Adm.Rep.ICLS, (7):4  
Gadoid Fish Committoo 1957 - Poland  
In 585212.

FiB:

M

Ottorlind, G. (1958) 585226  
Adm.Rep.ICLS, (7):5  
Gadoid Fish Committee 1957 - Swodon  
In 585212.

FiB:

M

<p>Moiseev, P. &amp; T. 585227  Domontjova (1958)  <u>Adm. Rep. ICES</u>, (7):5-6  Gadoid Fish Committee 1957 - U.S.S.R.  Baronts Sea and Baltic Sea</p> <p>In 585212.</p>	<p>Bortolson, E. (1958) 585230  <u>Adm. Rep. ICES</u>, (8):1  Herring Committee 1957 - Denmark</p> <p>In 585228.</p>
<p>FiB: M</p>	<p>FiB: M</p>
<p>Aason, O. (1958) 585228  <u>Adm. Rep. ICES</u>, (8):7 p.  Herring Committee 1957</p> <p>Contains 585229 to 585241.</p>	<p>Cushing, D.H. (1958) 585231  <u>Adm. Rep. ICES</u>, (8):2  Herring Committee 1957 - England</p> <p>In 585228.</p>
<p>FiB: M</p>	<p>FiB: M</p>
<p>Gillis, Ch. (1958) 585229  <u>Adm. Rep. ICES</u>, (8):1  Herring Committee 1957 - Belgium</p> <p>In 585228.</p>	<p>Sjöblom, V. (1958) 585232  <u>Adm. Rep. ICES</u>, (8):2  Herring Committee 1957 - Finland</p> <p>In 585228.</p>
<p>FiB: M</p>	<p>FiB: M</p>

Franco. Institut des Pêches (1958) 585233  
Adm. Rep. ICES, (8):2  
Herring Committee 1957 - Franco  
In 585228.

Zijlstra, J.J. (1958) 585236  
Adm. Rep. ICES, (8):3  
Herring Committee 1957 - Netherlands  
In 585228.

FiB: M

FiB: M

Schubert, K. (1958) 585234  
Adm. Rep. ICES, (8):2-3  
Herring Committee 1957 - Germany  
In 585228.

Aasen, O. (1958) 585237  
Adm. Rep. ICES, (8):4  
Herring Committee 1957 - Norway  
In 585228.

FiB: M

FiB: M

Fridriksson, A. (1958) 585235  
Adm. Rep. ICES, (8):3  
Herring Committee 1957 - Iceland  
In 585228.

Popiel, J. (1958) 585238  
Adm. Rep. ICES, (8):4  
Herring Committee 1957 - Poland  
In 585228.

FiB: M

FiB: M

Parrish, B.B. (1958) 585239  
Adm. Rep. ICES, (8):5  
Herring Committee 1957 - Scotland  
In 585228.

FiB: M

Cuosta, J. (1958) 585242  
Adm. Rep. ICES, (9):2 p.  
Comité de la sardine 1957 (Sardine  
Committee)

Contains 585243 to 585251.

FiB: M

Höglund, H. (1958) 585240  
Adm. Rep. ICES, (8):5-6  
Herring Committee 1957 - Sweden  
In 585228.

FiB: M

Aurich, H. (1958) 585243  
Adm. Rep. ICES, (9):1  
Comité de la sardine 1957 - Allemagne  
(Sardine Committee 1957 - Germany)

In 585242.

FiB: M

Udanov, I. & T.F. 585241  
Domontjova (1958)  
Adm. Rep. ICES, (8):6-7  
Herring Committee 1957 - U.S.S.R.  
In 585228.

FiB: M

Cushing, D.H. (1958) 585244  
Adm. Rep. ICES, (9):1  
Comité de la sardine 1957 - Angleterre  
(Sardine Committee 1957 - England)

In 585242.

FiB: M

Loloup, B. (1958) 585245  
Adm.Rep.ICES, (9):1  
Comité de la sardine 1957 - Belgique  
(Sardine Committee 1957 - Belgium)

In 585242.

FiB:

M

Went, A.E.J. (1958) 585248  
Adm.Rep.ICES, (9):2  
Comité de la sardine 1957 - Irlande  
(Sardine Committee 1957 - Ireland)

In 585242.

FiB

M

Guosta, J. (1958) 585246  
Adm.Rep.ICES, (9):1  
Comité de la sardine 1957 - Espagne  
(Sardine Committee 1957 - Spain)

In 585242.

FiB:

M

Vilola, H. (1958) 585249  
Adm.Rep.ICES, (9):2  
Comité de la sardine 1957 - Portugal  
(Sardine Committee 1957 - Portugal)

In 585242.

FiB

M

Franco. Institut des 585247  
Pêches (1958)  
Adm.Rep.ICES, (9):1  
Comité de la Sardine 1957 - Franco  
(Sardine Committee 1957 - Franco)

In 585242.

FiB:

M

Jensen, Aa.J.C. (1958) 585250  
Adm.Rep.ICES, (9):2  
Comité de la sardine 1957 - Danemark  
(Sardine Committee 1957 - Denmark)

In 585242.

FiB

M

Dannovig, G. (1958) 585251  
Adm.Rep.ICES, (9):2  
Comité de la sardine 1957 - Norvège  
(Sardine Committee 1957 - Norway)

In 585242.

FiB:

M

Loloup, E. (1958) 585254  
Adm.Rep.ICES, (10):1  
Scombriform Fish Committee 1957 -  
Scombrids. Belgium

In 585252.

FiB:

M

Vilela, H. (1958) 585252  
Adm.Rep.ICES, (10):2 p.  
Scombriform Fish Committee 1957  
Contains 585253 to 585263.

FiB:

M

Navaz, J. (1958) 585255  
Adm.Rep.ICES, (10):1  
Scombriform Fish Committee 1957 -  
Scombrids. Spain  
In 585252.

FiB:

M

Kändler, R. (1958) 585253  
Adm.Rep.ICES, (10):1  
Scombriform Fish Committee 1957 -  
Scombrids. Germany  
In 585252.

FiB:

M

Franco Institut des 585256  
Pêches (1958)  
Adm.Rep.ICES, (10):1  
Scombriform Fish Committee 1957 -  
Scombrids. Franco  
In 585252.

FiB:

M

Revheim, A. (1958) 585257  
Adm. Rep. ICES, (10):1  
Scombriform fish Committee 1957 -  
Scombrids. Norway

In 585252.

FiB: M

Hamro, J. (1958) 585260  
Adm. Rep. ICES, (10):2  
Scombriform fish Committee 1957 - Tuna.  
Norway

In 585252.

FiB: M

Meyer-Waardon, P.F. (1958) 585258  
Adm. Rep. ICES, (10):2  
Scombriform fish Committee 1957 - Tuna.  
Germany

In 585252.

FiB: M

Anonymous (1958) 585261  
Adm. Rep. ICES, (10):2  
Scombriform fish Committee 1957 - Tuna.  
England, Wales, Scotland, Ireland,  
Netherlands

In 585252.

FiB: M

Franco. Institut dos 585259  
Pêchos (1958)  
Adm. Rep. ICES, (10):2  
Scombriform fish Committee 1957 - Tuna.  
France

In 585252.

FiB: M

Anonymous (1958) 585262  
Adm. Rep. ICES, (10):2  
Scombriform fish Committee 1957 - Tuna.  
Italy

In 585252.

FiB: M

Anonymous (1958) 585263  
Adm.Rep.ICLS, (10):2  
Scombriform Fish Committee 1957 - Tuna  
Portugal

In 585252.

FiB:

M

Vibort, R. (1958) 585266  
Adm.Rep.ICLS, (11):1  
Salmon and Trout Committee 1957 -  
Franco

In 585264.

FiB:

MF



Nikolskii, G. (1958) 585264  
Adm.Rep.ICLS, (11):5 p.  
Salmon and Trout Committee 1957

Contains 585265 to 585273.

FiB:

MF

Kändler, R. (1958) 585267  
Adm.Rep.ICLS, (11):1  
Salmon and Trout Committee 1957 -  
Germany

In 585264.

FiB:

MF

Larson, K. (1958) 585265  
Adm.Rep.ICLS, (11):1  
Salmon and Trout Committee 1957 -  
Denmark

In 585264.

FiB:

MF

Gudjónsson, Th. (1958) 585268  
Adm.Rep.ICLS, (11):2  
Salmon and Trout Committee 1957 -  
Iceland

In 585264.

FiB:

MF

Went, A.B.J. (1958) 585269

Adm.Rep.ICES, (11):2

Salmon and Trout Committee 1957 -  
Ireland

In 585264.

Pyofinch, K.A. (1958)

585272

Adm.Rep.ICES, (11):3-5

Salmon and Trout Committee 1957 -  
United Kingdom. II. Scotland

In 585264.

FIB

MF

FIB

MF

Chrzan, F. (1958)

585270

Adm.Rep.ICES, (11):2-3

Salmon and Trout Committee 1957 -  
Poland

In 585264.

Nikolskii, G. (1958)

585273

Adm.Rep.ICES, (11):5

Salmon and Trout Committee 1957 -  
U.S.S.R.

In 585264.

FIB

MF

FIB

MF

Pontelow, F.T.K. (1958)

585271

Adm.Rep.ICES, (11):3

Salmon and Trout Committee 1957 -  
United Kingdom. I. England and Wales

In 585264.

Colo, H.A. (1958)

585274

Adm.Rep.ICES, (12):7 p.

Shellfish Committee 1957

Contains 585275 to 585291.

FIB

MF

FIB

M

Loloup, E. (1958) 585275  
Adm. Rep. ICES, (12):1  
Shellfish Committee 1957 - Crustacea.  
Belgium

In 585274.

FiB:

M

Furnostin, J. (1958) 585278  
Adm. Rep. ICES, (12):1  
Shellfish Committee 1957 - Crustacea.  
France

In 585274.

FiB:

M

Ursin, E. (1958) 585276  
Adm. Rep. ICES, (12):1  
Shellfish Committee 1957 - Crustacea.  
Denmark

In 585274.

FiB:

M

Moyer-Waarden, P.F. (1958) 585279  
Adm. Rep. ICES, (12):2  
Shellfish Committee 1957 - Crustacea.  
Germany

In 585274.

FiB:

M

Colo, H.A. (1958) 585277  
Adm. Rep. ICES, (12):1  
Shellfish Committee 1957 - Crustacea.  
England and Wales

In 585274.

FiB:

M

Gibson, F.A. (1958) 585280  
Adm. Rep. ICES, (12):2  
Shellfish Committee 1957 - Crustacea.  
Ireland

In 585274.

FiB:

M

Korringa, P. (1958) 585281  
Adm.Rep.ICCS, (12):2  
Shellfish Committee 1957 - Crustacea.  
Netherlands  
In 585274.

Loloup, M. (1958) 585284  
Adm.Rep.ICCS, (12):3  
Shellfish Committee 1957 - Mollusca.  
Belgium  
In 585274.

FiB:

M

FiB:

M

Thomas, H.J. (1958) 585282  
Adm.Rep.ICCS, (12):2  
Shellfish Committee 1957 - Crustacea.  
Scotland  
In 585274.

Ursin, M. (1958) 585285  
Adm.Rep.ICCS, (12):3  
Shellfish Committee 1957 - Mollusca.  
Denmark  
In 585274.

FiB:

M

FiB:

M

Höglund, H. (1958) 585283  
Adm.Rep.ICCS, (12):3  
Shellfish Committee 1957 - Crustacea.  
Sweden  
In 585274.

Colo, H.A. (1958) 585286  
Adm.Rep.ICCS, (12):3  
Shellfish Committee 1957 - Mollusca.  
England and Wales  
In 585274.

FiB:

M

FiB:

M

Furnostin, J. (1958) 585287  
Adm.Rep.ICES, (12):4  
Shellfish Committee 1957 - Mollusca  
France

In 585274.

FiB: M

Korringa, P. (1958) 585290  
Adm.Rep.ICES, (12):5  
Shellfish Committee 1957 - Mollusca  
Netherlands

In 585274.

FiB: M

Möyer-Waardon, P.F. (1958) 585288  
Adm.Rep.ICES, (12):4-5  
Shellfish Committee 1957 - Mollusca  
Germany

In 585274.

FiB: M

Millar, R.H. & H.J. 585291  
Thomas (1958)  
Adm.Rep.ICES, (12):6  
Shellfish Committee 1957 - Mollusca  
Scotland

In 585274.

FiB: M

Gibson, F.A. (1958) 585289  
Adm.Rep.ICES, (12):5  
Shellfish Committee 1957 - Mollusca.  
Ireland

In 585274.

FiB: M

Böhncke, G. (1958) 585292  
Adm.Rep.ICES, (13):8 p.  
Hydrographical Committee  
Contains 585293 to 585311.

FiB: M

Leloup, E. (1958) 585293  
Adm.Rep.ICES, (13):1  
Hydrographical Committee - Belgium

In 585292.

Hela, I. (1958) 585296  
Adm.Rep.ICES, (13):3  
Hydrographical Committee - Finland

In 585292.

FiB:

M

FiB

M

Thomsen, H. (1958) 585294  
Adm.Rep.ICES, (13):1  
Hydrographical Committee - Denmark

In 585292.

Furnestin, J. (1958) 585297  
Adm.Rep.ICES, (13):3-4  
Hydrographical Committee - France

In 585292.

FiB:

M

FiB

M

Lee, A.J. (1958) 585295  
Adm.Rep.ICES, (13):2  
Hydrographical Committee - England

In 585292.

Böhnecke, G. (1958) 585298  
Adm.Rep.ICES, (13):4-5  
Hydrographical Committee - Germany

In 585292.

FiB:

M

FiB

M

Stefánsson, U. (1958) 585299  
Adm.Rep.ICES, (13):5  
Hydrographical Committee - Iceland  
In 585292.

FiB: M

Groen, P. (1958) 585302  
Adm.Rep.ICES, (13):6  
Hydrographical Committee - Netherlands  
In 585292.

FiB: M

Went, A.E.J. (1958) 585300  
Adm.Rep.ICES, (13):5  
Hydrographical Committee - Ireland  
In 585292.

FiB: M

Poland. Sea Fisheries Institute (1958) 585303  
Adm.Rep.ICES, (13):6-7  
Hydrographical Committee - Poland  
In 585292.

FiB: M

Picotti, M. (1958) 585301  
Adm.Rep.ICES, (13):5-6  
Hydrographical Committee - Italy  
In 585292.

FiB: M

Vilela, H. (1958) 585304  
Adm.Rep.ICES, (13):7  
Hydrographical Committee - Portugal  
In 585292.

FiB: M

Tait, J.B. (1958) 585305  
Adm.Rep.ICCS, (13):7  
Hydrographical Committee - Scotland  
In 585292.

FiB: M

Fedosov, M. (1958) 585308  
Adm.Rep.ICCS, (13):8  
Hydrographical Committee - U.S.S.R.  
In 585292.

FiB: M

Balón, F. (1958) 585306  
Adm.Rep.ICCS, (13):7  
Hydrographical Committee - Spain  
In 585292.

FiB: M

Eggvin, J. (1958) 585309  
Adm.Rep.ICCS, (13):App.1  
Hydrographical Committee - Norway  
In 585292.

FiB: M

Kullenberg, B. 585307  
Adm.Rep.ICCS, (13):8  
Hydrographical Committee - Sweden  
In 585292.

FiB: M

Lednev, V. (1958) 585310  
Adm.Rep.ICCS, (13):App.2  
Hydrographical Committee - U.S.S.R.  
In 585292.

FiB: M

Desbrosses, P. (1958) 585311  
Adm.Rep.ICCS, (13):App.3  
Hydrographical Committee - France  
  
In 585292.

FiB: M

Grøntved, Jul. (1958) 585314  
Adm.Rep.ICCS, (14):1  
Plankton Committee 1957 - Denmark  
  
In 585312.

FiB: M

Nielsen, E. Steemann (1958) 585312  
Adm.Rep.ICCS, (14):7 p.  
Plankton Committee 1957  
  
Contains 585313 to 585326.

FiB: M

Cattley, J.G. (1958) 585315  
Adm.Rep.ICCS, (14):2  
Plankton Committee 1957 - England  
  
In 585312.

FiB: M

Leloup, E. (1958) 585313  
Adm.Rep.ICCS, (14):1  
Plankton Committee 1957 - Belgium  
  
In 585312.

FiB: M

Halme, E. (1958) 585316  
Adm.Rep.ICCS, (14):2  
Plankton Committee 1957 - Finland  
  
In 585312.

FiB: M

Furnestin, J. (1958) 585317  
Adm.Rep.ICES, (14):3  
Plankton Committee 1957 - Franco

In 585312.

FiB:

M

Went, A.E.J. (1958) 585320  
Adm.Rep.ICES, (14):4  
Plankton Committee 1957 - Ireland

In 585312.

FiB:

M

Kroy, J. (1958) 585318  
Adm.Rep.ICES, (14):3-4  
Plankton Committee 1957 - Germany

In 585312.

FiB:

M

Braarud, T. (1958) 585321  
Adm.Rep.ICES, (14):4-5  
Plankton Committee 1957 - Norway

In 585312.

FiB:

M

Hallgrímsson, I. (1958) 585319  
Adm.Rep.ICES, (14):4  
Plankton Committee 1957 - Iceland

In 585312.

FiB:

M

Mańkowski, W. (1958) 585322  
Adm.Rep.ICES, (14):5  
Plankton Committee 1957 - Poland

In 585312.

FiB:

M

Fraser, J.H. (1958) 585323  
Adm.Rep.ICES, (14):6  
Plankton Committee 1957 - Scotland

In 585312.

FiB: M

Mantoufol, B.P. (1958) 585326  
Adm.Rep.ICES, (14):7  
Plankton Committee 1957 - U.S.S.R.

In 585312.

FiB: M

Cuesta, J. (1958) 585324  
Adm.Rep.ICES, (14):6  
Plankton Committee 1957 - Spain

In 585312.

FiB: M

Tanonaka, G. (1957) 585327  
Spec.sci.Rep.U.S.Fish Wildl.Serv., (259)  
10 p.

Age, length, and body weight of salmon caught by Japanese high-seas fleets in North Pacific

Notes on age composition, lengths, & weights of catch of red, chum & pink salmon & interpretation in relation to possible proportion of mature & immature fish contributing to fishery.

WAD:efa MF

Höglund, H. (1958) 585325  
Adm.Rep.ICES, (14):6  
Plankton Committee 1957 - Sweden

In 585312.

FiB: M

Broadhead, G.C. (1958) 585328  
Tech.Ser.Fla Bd Consrv., (25):31 p.  
Growth of the black mullet, (Mugil cephalus L.) in West and Northwest Florida

Account of investigations on estimation of growth rates, as part of fishery management program of black mullet, from juveniles, monthly commercial samples, recovered tagged fish, scales of fish measured in market samples.

FAO:efa MF

<p>The Challenger Society (1957) 585329  <u>Challenger Soc.</u>, 3(9):36 p.  Annual Report</p>	<p>Qasim, S.Z. (1957) 585332  <u>Challenger Soc.</u>, 3(9):17  The biology of <u>Blennius pholis</u> L.</p>
<p>List of officers &amp; workers of the society, with addresses, administrative &amp; financial report, abstracts of papers read at joint meetings.</p>	<p>Abstr. of paper read at the Joint Meeting of the University College of North Wales, Bangor, 2nd, 3rd &amp; 4th July, 1956. Account of studies on growth rate, food, gonad changes &amp; other features of breeding cycle of <u>Blennius pholis</u> L. &amp; experiments on the survival of larvae in laboratory.</p>
<p>SJH:sjh M</p>	<p>SJH:efa M</p>
<p>Simpson, A.C. (1957) 585330  <u>Challenger Soc.</u>, 3(9):16  The determination of the parameters of lobster populations</p>	<p>Jones, W.E. (1957) 585333  <u>Challenger Soc.</u>, 3(9):17-8  Spore development and growth in <u>Gracilaria verrucosa</u> (Huds.) Papenfuss</p>
<p>Abstr. of paper read at the Joint Meeting of the University College of North Wales, Bangor, 2nd, 3rd &amp; 4th July, 1956. Account of quantitative study of lobster populations at 2 levels: I. commercial catch, fishing effort &amp; length composition; II. determination of population parameters-moult frequency, moult increment, natural &amp; fishing mortalities.</p>	<p>Abstr. of paper read at the Joint Meeting of the University College of North Wales, Bangor, 2nd, 3rd &amp; 4th July, 1956. Reports observations on development of carpospores &amp; tetraspores, obtained by allowing fronds of sp. to shed spores on to microscope slide.</p>
<p>SJH:efa M</p>	<p>SJH:efa M</p>
<p>Baird, R.H. (1957) 585331  <u>Challenger Soc.</u>, 3(9):16-7  Some factors affecting growth and condition in mussels</p>	<p>Gross, J. &amp; E.W. 585334  Knight-Jones (1957)  <u>Challenger Soc.</u>, 3(9):18  The settlement of <u>Spirorbis borealis</u> on algae</p>
<p>Abstr. of paper read at the Joint Meeting of the University College of North Wales, Bangor, 2nd, 3rd &amp; 4th July, 1956. Account of effects of tidal exposure, reduction in salinity &amp;/or temperature, &amp; enriched food on basal metabolism.</p>	<p>Abstr. of paper read at the Joint Meeting of the University College of North Wales, Bangor, 2nd, 3rd &amp; 4th July, 1956. Account of laboratory experiments where larvae offered the choice between pairs of spp. of algae. <u>Fucus spiralis</u> &amp; <u>Dictyota dichotoma</u> proved to be favourable; <u>Laminaria saccharina</u> &amp; <u>Fucus serratus</u> less</p>
<p>SJH:efa MF</p>	

585334  
(Card 2)  
favourable; Ulva lactuca, Polvetia  
canaliculata & Rhodymenia palmata much  
less favourable; Ascophyllum nodosum  
& Laminaria digitata unfavourable for  
settlement.

SJH:efa

M

Southward, A.J. & D.J. 585338  
Crisp (1957)  
Challenger Soc., 3(9):20  
Behaviour and feeding of cirripodes

Abstr. of paper read at the Joint  
Meeting of the University College of  
North Wales, Bangor, 2nd, 3rd & 4th  
July, 1956. Account of observations on  
water currents produced by barnacles  
during beating of cirri.

SJH:efa

M

Clegg, D.J. (1957) 585336  
Challenger Soc., 3(9):18-9  
Some observations on pairing in  
Balanus balanoides

Abstr. of paper read at the Joint  
Meeting of the University College of  
North Wales, Bangor, 2nd, 3rd & 4th  
July, 1956. Account of observations on  
copulation, insemination & factors  
effecting the time of pairing on North  
Wales coast.

SJH:efa

M

Knight-Jones, E.W., W.C. Jones 585339  
& D. Lucas (1957)  
Challenger Soc., 3(9):20-1  
A survey of a submarine rocky channel

Abstr. of paper read at the Joint  
Meeting of the University College of  
North Wales, Bangor, 2nd, 3rd & 4th  
July, 1956. Account of SCUBA survey of  
Menai Strait, with records of  
littoral organisms observed.

SJH:efa

M

Crisp, D.J. (1957) 585337  
Challenger Soc., 3(9):19  
Liberation and hatching of barnacle  
Nauplii

Abstr. of paper read at the Joint  
Meeting of the University College of  
North Wales, Bangor, 2nd, 3rd & 4th  
July, 1956.

SJH:

M

Qasim, S.Z. & D.W. 585340  
Knight-Jones (1957)  
Challenger Soc., 3(9):21  
Further investigations on the pressure  
responses of marine animals

Abstr. of paper presented at the Joint  
Meeting of the University College of  
North Wales, Bangor, 2nd, 3rd & 4th  
July, 1956. Account of investigations  
on the mechanism of pressure  
perception, with special reference to  
Pleurobrachia pilous, Tomora longicor-  
nis & Nephthys.

SJH:efa

M

Crisp, D.J., C.P. Spencer 585341  
& D.H.A. Marr (1957)  
Challenger Soc., 3(9):22  
Toxicity of copper compounds in the sea

Abstr. of paper read at the Joint  
Meeting of the University College of  
North Wales, Bangor, 2nd, 3rd & 4th  
July, 1956.

SJH:

M

De Bruin, G.H.P. (1957) 585344  
Challenger Soc., 3(9):23-4  
The relation between pigment  
migration and vision in crustacea

Abstr. of paper read at the Joint  
Meeting of the University College of  
North Wales, Bangor, 2nd, 3rd & 4th  
July, 1956. Account of observations on  
the change of position of distal,  
proximal & white reflecting pigments,  
found in eyes of Pandalus montagui,  
Loander sorratus & Praunus floxuosus,  
in response to changes from light to  
darkness & vice versa. Change in visual  
acuity runs parallel to rate of light

Jones, C. Burdon (1957) 585342  
Challenger Soc., 3(9):22-3  
The biology of Rhabdopleura normani  
Allman

Abstr. of paper read at the Joint  
Meeting of the University College of  
North Wales, Bangor, 2nd, 3rd & 4th  
July, 1956. Reports investigations on  
distribution & limiting factors,  
feeding, sexual & asexual activities,  
development & settlement of larvae  
of sp. occurring in association with  
Oculinid corals on W coast of Norway.

SJH:ofa

M

585344  
(Card 2)  
adaption of proximal pigment.

SJH:ofa

M

Thompson, T.E. & C. 585343  
Burdon Jones (1957)  
Challenger Soc., 3(9):23  
The embryology of the Nudibranchiata

Abstr. of paper read at the Joint  
Meeting of the University College of  
North Wales, Bangor, 2nd, 3rd & 4th  
July, 1956. Description of life  
history of Adalaria proxima Alder &  
Hancock.

SJH:ofa

M

Jones, W.C. (1957) 585340  
Challenger Soc., 3(9):24  
Spicule orientation in sponges

Abstr. of paper read at the Joint  
Meeting of the University College of  
North Wales, Bangor, 2nd, 3rd & 4th  
July, 1956. Ill. notes on mechanism  
accounts for orientation of trirodiate  
type of spicule in Leucosolenia.

SJH:ofa

M

Stuart, T.A. (1957) 585347  
Challenger Soc., 3(9):25  
Homing behaviour of brown trout

Abstr. of paper read at the Joint Meeting of the Brown Trout Research Laboratory, Pitlochry, 4th & 5th October, 1956. Account of observations on the attraction of trout to home stream during spawning runs in 5 streams entering Dunalastair Reservoir.

SJH:ofa

F

Hamilton, J.D. (1957) 585350  
Challenger Soc., 3(9):26-7  
The ecology of Coregonus clupeoides in Loch Lomond

Abstr. of paper read at the Joint Meeting of the Brown Trout Research Laboratory, Pitlochry, 4th & 5th October, 1956.

SJH:

F

Smith, I.W. (1957) 585348  
Challenger Soc., 3(9):25-6  
Diseases of salmonids in Scotland

Abstr. of paper read at the Joint Meeting of the Brown Trout Research Laboratory, Pitlochry, 4th & 5th October, 1956. Discussions on furunculosis caused by B. salmonicida & Dec Disease; likely reservoir of infection, morphological & biochemical characteristics of latter organism; with description of wounds found on sea trout caught on east coast; 2 possible causes: lamprey attack & bacterial infection.

SJH:ofa

MF

Morgan, N.C. (1957) 585351  
Challenger Soc., 3(9):27  
Insect emergence from a small loch

Abstr. of paper read at the Joint Meeting of the Brown Trout Research Laboratory, Pitlochry, 4th & 5th October, 1956. Account of detailed study of insect emergence from a woody 3 acres loch. Composition of catch, seasonal variations in rate of emergence & its relation to changes in diet of trout, & diurnal variation in emergence rate were described.

SJH:ofa

F

Shoarer, W.M. (1957) 585349  
Challenger Soc., 3(9):26  
Sea trout of the Aberdeenshire Dee

Abstr. of paper read at the Joint Meeting of the Brown Trout Research Laboratory, Pitlochry, 4th & 5th October, 1956. Account of tagging experiments in spawning tributaries of River Dee & coastal netting stations from Macduff to Rockhall, to examine migration, spawning run & homing instinct of sea trout.

SJH:ofa

MF

Bontley, J.A. (1957) 585352  
Challenger Soc., 3(9):27-8  
Effect of plant hormones on marine diatoms in culture

Abstr. of paper read at the Joint Meeting of the Brown Trout Research Laboratory, Pitlochry, 4th & 5th October, 1956. Account of observations on the effect of 3-indolyl-acetic acid (IAA) on growth of Skeletonema costatum, Homosclmis virescens & Nannochloris oculata.

SJH:ofa

M

Blaxter, J.H.S. (1957) 585353

Challenger Soc., 3(9):28

The effect of temperature and other factors on development in the herring

Abstr. of paper read at the Joint Meeting of the Brown Trout Research Laboratory, Pitlochry, 4th & 5th October, 1956. Reports investigations on the effect of environmental conditions at spawning, on vertebral counts.

SJH:efa

M

Munro, W.R. (1957)

585356

Challenger Soc., 3(9):30

Notes on the pike of Loch Choin

Abstr. of paper read at the Joint Meeting of the Brown Trout Research Laboratory, Pitlochry, 4th & 5th October, 1956. Account of observations on age; growth rate & feeding habits; unusual diet after lake treated with rotenone to eliminate pike population; production of standing crop.

SJH:efa

F

Slack, H.D. (1957)

585354

Challenger Soc., 3(9):28-9

Echo soundings related to bottom deposits in Loch Lomond

Abstr. of paper read at the Joint Meeting of the Brown Trout Research Laboratory, Pitlochry, 4th & 5th October, 1956. Notes on composition of bottom deposits, portrayed by Marconi "Graphette" echometers.

SJH:efa

F

Wyatt, H.V. (1957)

585357

Challenger Soc., 3(9):33

The biology and reproduction of Calyptrea chinensis

Abstr. of paper read at the Joint Meeting of the Water Pollution Research Laboratory, Stevenage, & the Zoological Society of London, Regent's Park, London, 24th & 25th January, 1957. Notes on general distribution of sp.; account of analysis of samples collected from Yealm Estuary, Devon; variation of shell shape; size distribution of coupled males & females.

Brook, A.J. (1957)

585355

Challenger Soc., 3(9):29-30

Some quantitative and qualitative differences in the phytoplankton of Scottish freshwater lochs

Abstr. of paper read at the Joint Meeting of the Brown Trout Research Laboratory, Pitlochry, 4th & 5th October, 1956. Account of Nygaard's compound quotient tests for Scottish lochs to give indications of trophic status.

SJH:efa

F

impregnation period; & comparison of breeding with that of Crepidula fornicata. Presence of females with non-variable eggs shows that there is no self-fertilization.

SJH:efa

MF

Wood, P.C. (1957) 585359  
Challenger Soc., 3(9):33  
The purification of shellfish using  
ultra-violet light

Abstr. of paper read at the Joint  
Meeting of the Water Pollution Research  
Laboratory, Stevenage, & the Zoological  
Society of London, Regent's Park,  
London, 24th & 25th January, 1957.  
Description of a cheap, simple &  
reliable system for cleansing lamolli-  
branch shellfish.

SJH:efa

MF

Le Cren, E.D. (1957) 585362  
Challenger Soc., 3(9):34  
The growth of perch in Windermere  
during the past twenty years, with  
particular reference to the effects of  
temperature and changes in population  
density

Abstr. of paper read at the Joint  
Meeting of the Water Pollution Research  
Laboratory, Stevenage, & the Zoological  
Society of London, Regent's Park,  
London, 24th & 25th January, 1957.

SJH:efa

F

Baker, A. de C. (1957) 585360  
Challenger Soc., 3(9):34  
Some observations on large oceanic  
squids

Abstr. of paper read at the Joint  
Meeting of the Water Pollution Research  
Laboratory, Stevenage, & the Zoological  
Society of London, Regent's Park,  
London, 24th & 25th January, 1957.  
Reports observations on Ommastrephes  
pteropus Streenstrup of Atlantic NE  
during recent cruises of DISCOVERY II,  
& gives account of underwater camera  
used for photographing squids with  
notes on some possible modifications

585360  
(Card 2)  
of camera incl. addition of depth  
gauge & use of colour film.

SJH:efa

M

Elkan, E. (1958) 585363  
Proc.zool.Soc.Lond., 131:335-55  
Further contributions on the buccal and  
pharyngeal mucous membrane in urodeles

Notes on histological anatomy of oral  
mucosa & respiratory habits in:  
Schistometopum thomensis, Triturus  
cristatus, T. marmoratus, Salamandra  
salamandra, Euproctus asper, E.  
montanus, Plourodolos waltli, Amby-  
stoma tigrinum, Amphiuma means, Batra-  
choseps attenuatus, Insatina  
oschscholtzi, Platodon glutinosus,  
Pseudotriton ruber ruber, Desmognathus  
ochrophaeus & Proteus anguineus.  
FiB:efa F

Marshall, N.B. & 585364  
G.L. Thinos (1958)  
Proc.zool.Soc.Lond., 131:441-56  
Studies of the brain, sense organs and  
light sensitivity of a blind cave fish  
(Typhlogarra widdowsoni) from Iraq

Description of structure of brain &  
sense organs of this sp., &  
comparison with those of Garra rufa,  
with an account of experiments on  
light sensitivity.

FiB:efa

F

Western Australia. Fisheries 585365  
Department (1958)  
Monthly Service Bulletin, 7(7):69-84

Notes on staff & their activities, legal actions; progress in pearl culture, seasons & results of humpback whaling & cray fishing; fish production for 1957. Miscellaneous information from abroad.

GLK:ofa

M

U.S. Bureau of Commercial 585368  
Fisheries (1958)  
Fish. Leaflet, Wash., (293):8 p.  
List of fishermen's and fish shore workers' unions in the United States, Alaska, and Hawaii

A compiled list of fishermen's & fish shore workers' unions with their addresses.

FAO:ofa

MF

Western Australia. Fisheries 585366  
Department (1958)  
Monthly Service Bulletin, 7(9-10):107-24

Notes on staff & their activities; season & results of humpback whaling, S Australian crayfish studies; review of State Fisheries Act with respect to fishing in waters beyond 3 mile limit; fish sales & imports. Miscellaneous information from abroad.

GLK:ofa

M

Anonymous (1958) 585369  
FAO, Rome, 5 p.

Prospectus for the Symposium on Fish Behaviour to be held during the eight session of the Indo-Pacific Fisheries Council, Colombo - December 1958

Notes on objectives; analysis of subject matter; arrangements for meeting; participation, procedures & submission of papers.

FiB:ofa

MF

do Fonseka, D.T.B.A. (1958) 585367  
Govt Press, Ceylon, 31 p.  
Administration Report of the Director of Fisheries for 1957

Notes on international collaboration, technical assistance, aid plans, & educational activities; housing for fishermen, cooperative societies, schemes of loans; boating grounds & harbours, fish auction sheds; accident compensation scheme, air sea rescue service. Gives brief account of statistical works, with tables on import & export of fish, fish products & fishery accessories.

FiB:ofa

MF

Krykhtin, M.L. (1958) 585370  
Vop. Ikhtiol., (10):3-11  
O biologicheskii odnorodnykh gruppakh u d. lnovostochnykh lososoi  
(Biologically homogenous groups among far eastern salmon)

States that, besides morphologically different sub-spp. there exist, within the latter, groups composed of fish with similar biological features on all stages of their life cycle. Describes peculiar features of Oncorhynchus spp. groups characterized by similar behaviour, growth rates, & scales structure, denoting marine & freshwater periods of life.

FAO:go

MF

Turovitskii, Iu.G. (1958) 585371  
Vop.Ikhtiolog., (10):12-28  
Nekotorye voprosy metodiki izucheniia  
plodovitosti ryb (Some problems  
regarding methods for studying  
fertility of fish)

Examines various attempts to find out  
the correlation, expressed by diagrams  
& formulae, between fertility of fish  
& their length, weight, growth &  
maturation rates. States data obtained  
by the method of empiric correlations,  
studied on Abramis ballerus in  
various environments.

FAO:go

MF

distribution of commercially  
valuable marine animals.

585373  
(Card 2)

FAO:go

M

Das, S.N. & S.K. Moitra (1958) 585372  
Vop.Ikhtiolog., (10):29-40  
O variatsiiakh pishchevaritel'nogo  
trakta v zavisimosti ot pishchi u  
presnovodnykh ryb Indii (Varying  
features of the alimentary tract of  
freshwater fish in India in relation  
to their food)

Describes studies carried out at the  
Lucknow University. Data on  
correlations of body size & gut-length  
of herbivorous, omnivorous &  
carnivorous fish. 15 spp. examined.

FAO:go

F

Nadezhin, V.M. (1958) 585375  
Vop.Ikhtiolog., (10):52-9  
Rol gidrologicheskikh faktorov v  
produktivnosti Belogo Moria  
(Importance of hydrological factors  
for productivity of the White Sea)

Examines negative environmental  
features preventing a natural increase  
of the White Sea fish population.  
Discusses temperature, salinity, tides  
& currents, behaviour of fish, silting  
& pollution of river-estuaries, effect  
of riverflow harnessing by hydraulic  
projects. Indicates areas fit for

Lindberg, G.U. (1958) 585373  
Vop.Ikhtiolog., (10):41-51  
Promyslovaia biokoceanografiia i ee  
zadachi (Commercial bio-oceanog-  
raphy and its tasks)

Discusses the need for commercial  
fishing charts based on studies of the  
oceanographic features of open seas  
of commercial fish behaviour. States  
that the main task of commercial bio-  
oceanography - combination of  
commercial oceanography with  
commercial ichthyology - consists in  
disclosing laws of behaviour &

585375  
(Card 2)  
artificial breeding of local fish  
& proper conservation measures.

FAO:go

M

Konstantinova, N.A. (1958) 585377  
Vop.Ikhtiol., (10):60-89  
 Dinamika osnovnykh biologicheskikh pokazatelei leshcha severnoi chasti Aralskogo moria (Trend of the basic biological indices of bream in the northern part of the Aral Sea)

Examines growth rates, fat contents size & weight of bream in relation to stage of development, season & behaviour of the Syr-Daria stock. Indicates months & areas in the north of the Aral Sea, favourable for commercial fishing.

FAO:go

MF

Moskalenko, B.K. (1958) 585380  
Vop.Ikhtiol., (10):111-26  
 Biologicheskaya melioratsiya priural'skikh nerostovykh rek (Biological reclamation of the Ural region spawning rivers)

Describes action taken towards improving biological conditions in lower tributaries of the river Ob, most important for the reproduction of the largest stock of whitefish in USSR. Examines composition & behaviour of the fish population, food relations of Coregonus spp. to predatory & worth-

Gresc, I.I. (1958) 585378  
Vop.Ikhtiol., (10):90-8  
 Iz opyta vyrashchivaniia sегоletkov karpa v Sibiri (Experience on raising carp fingerlings in Siberia)

States data on seasonal food items, daily consumption rates & growth of carp fry in the hatcheries & nurseries of the Uzhur fish-farm, consisting of a series of ponds created on the river Kulun in the Krasnoyarsk province.

FAO:go

F

585380  
 (Card 2)  
 loss fish. Discusses whitefish conservation measures.

FAO:go

F

Krasikova, V.A. (1958) 585379  
Vop.Ikhtiol., (10):99-110  
 Okun Perca fluviatilis L. r. Eniseia (Promyslovo-biologicheskii ocherk) (The perch Perca fluviatilis L. of the r. Enisei - Essay on the commercial value and biology)

Describes peculiar features of perch inhabiting the Enisei: morphology, distribution & behaviour, growth rates, nutrition, maturation, fertility & spawning, commercial catches, size & age.

FAO:go

F

Zhuravov, P.A., G.B.Molnikov 585382  
 & A.M. Chaplina (1958)  
Vop.Ikhtiol., (10):127-30  
 Perspektivy akklimatizatsii v iuzhnykh vodokhranilishchakh SSSR tarani - Rutilus rutilus hockeli (Nordmann) - v svyazi s kharakterom oo pitaniia (Prospects for acclimatizing, in southern USSR water reservoirs, of the roach - R. rutilus hockeli Nordmann - in connection with its natural nutrition)

Describes behaviour of this semi-anadromous commercially valuable roach, & possibilities for introducing it

<p>585382 (Card 2)</p> <p>into artificial water reservoirs of the lower Dnioper. States that this roach feeds largely on molluscs, which thrive in water reservoirs &amp; form incrustations on hydraulic structures.</p> <p>FAO:go MF</p>	<p>Protasov, V.R. (1958) 585386  <u>Vop.Ikhtiolog.</u>, (10):144-56  <u>Izucheniye zreniia ryb</u> (Kratkii obzor metodiki) (Studies on fishes' sight; brief review of methods)</p> <p>Examines various methods applied by scientists for studying response of fish to light &amp; colour, field of vision, accommodation &amp; morphology of the eye of fishes, according to spp. &amp; behaviour.</p> <p>FAO:go MF</p>
<p>Karpovich, A.F. (1958) 585384  <u>Vop.Ikhtiolog.</u>, (10):131-8  <u>Potrebleniye kisloroda morskimi rybami pri nazlichnom ikh fiziologicheskoy sostoianii</u> (Oxygen consumption by marine fish in relation to their varying physiological state)</p> <p>Describes method &amp; results of tests for oxygen consumption, carried out on 13 spp. of Azov &amp; Black Sea fishes in aquaria, in relation to the degree of disturbance, movements, feeding activity, digestion.</p> <p>FAO:go M</p>	<p>Zotov, A.F. (1958) 585387  <u>Vop.Ikhtiolog.</u>, (10):157-61  <u>Antibakterialnye svoystva organov i tranci presnovodnykh ryb</u> (Antibacterial properties of organs &amp; tissues of freshwater fish)</p> <p>Description of tests carried out on 400 organs &amp; tissues of 18 spp. of fish in order to disclose their capacity to inhibit development of bacteria. States that results are promising for producing antibiotics out of the organism of freshwater fish.</p> <p>FAO:go F</p>
<p>Korzhuev, P.A. &amp; L.I. 585385  Radzinskaia (1958)  <u>Vop.Ikhtiolog.</u>, (10):139-43  <u>Kolichestvo gomoglobina v gomolimfo lichinki komara Chironomus plumosus</u> (Quantity of haemoglobin in the haemolymph of a <u>Chironomus plumosus</u> larva)</p> <p>Discusses physiological features of Chironomidae larvae enabling them to survive in oxygen deficient surroundings in spite of their aerobic type of respiration. States data on haemoglobin contents of their haemolymph &amp; describes method applied.</p> <p>FAO:go F</p>	<p>Petrushovskii, G.K. (1958) 585388  <u>Vop.Ikhtiolog.</u>, (10):162-71  <u>Parazitarnye zabolovaniia lososovykh ryb na rybovodnykh zavodakh i v khoziaistvakh</u> (Parasitic diseases of salmonidae in nurseries &amp; fish-farms)</p> <p>Describes 27 parasites which attack salmonidae, both cultivated &amp; in natural surroundings, &amp; the ways to protect cultivated fish from infections caused by these parasites.</p> <p>FAO:go MF</p>

Gromov, V.V. (1958) 585389  
Vop.Ikhtiol., (10):172-87  
 Vliiania stochnykh vod promyshlennykh  
 prodpriatii na gidrofaunu i ulovy  
 ryb v Srednoi Kame (Effect of  
 industrial plants sewage on aquatic  
 fauna and fish catches in the Middle  
 Kama)

Discusses substances contained in  
 industrial waste & their seasonal  
 distribution along shores, the bottom  
 & in a suspended state. Data on the  
 oxygen regime, changes undergone by  
 the benthic live food & direct effect  
 on fishes. States data on the steady

Thomson, J.M. (1958) 585392  
Aust.J.Sci., 21(1):27-8  
 The physiology of fishes. 2. Behaviour  
 Review of 570208.

GLK:

MF

585389  
 (Card 2)  
 decrease of commercial catches.

Anonymous (1958) 585393  
Boll.Posca, 34(3-4):5-9  
Electronica per la posca  
 (Electronics in fisheries)

Mentions the establishment of radio-  
 transmission stations along the  
 Italian coast for assistance to  
 fishing vessels, describes radio-  
 telephone & radio-tolograph apparatuses,  
 radar, echomotor, etc., & discusses  
 their use.

FAO:go

F

FAO:tjj

M

Birch, L.C. (1958) 585391  
Aust.J.Sci., 21(1):26-7  
 Zoogeography: the geographical  
 distribution of animals  
 Review of 570385.

Petrović, G. (1957) 585394  
Izdanija, Skopje, 1:209-28  
Dinamika mulja Dojranskog, Ohridskog i  
Skadarskog jezora (Dynamics of the  
 Dojran, Ohrid and Skadar lake muds).  
 Fr

Studies on mud analysis on the  
 transport of soluble salts & other  
 changes in the reduction layer of  
 hypolimnion in an oligotrophic & eutrophic lakes.

GLK:

MF

FAO:tjj

F

Amphlott, C.B. (1957) 585395  
Atomics, 8(4):116-20  
Treatment of highly active wastes

MF

Bogorov, B.G. (1957) 585398  
Trud.Inst.Okeanol., 24:200-14  
(Standardisation of marine plankton  
investigations). Ru



M

Balaramurty, C. & A.A. 585396  
Ramasastry (1957)  
Indian J.Mot.Goophys., 8:88-92  
Distribution of density and the  
associated currents at the sea  
surface in the Bay of Bengal

M

Balinsky, J.B. (1957) 585399  
Ann.Nat.Mus., 14(1):1-32  
The Ophiuroidea of Inhaca Island

M

Boklemishov, K.V. (1957) 585397  
Trud.Inst.Okeanol., 20:253  
(On the spatial relationships  
between marine zoo- and phytoplankton).  
Ru

M

Baba, K. (1957) 585400  
Publ.Soto mar.biol.Lab., 6(1):69-74  
The species of the genus Elysia  
from Japan

M

Day, J.H. (1957) 585401  
Ann.Nat.Mus., 14(1):59-129  
The polychaet fauna of South Africa.  
IV. New species and records from  
Natal and Mocambique

M

Coronado, J.M. (1957) 585404  
Rev.Tec.Ocr.marit., (14):39-42  
Resultados preliminares del estudio  
de las marcas on Mexico (Preliminary  
results of study on tidos in Mexico)

M

Dent, J.N. & C.W. 585402  
Shoppard (1957)  
J.exp.Zool., 135(3):587-94  
The distribution of lithium in  
amphibian gastrulo autoradio-  
graphically demonstrated

MF

Darbyshiro, J. & 585405  
M. Darbyshiro (1957)  
Mon.Not.R.astr.Soc.geophys.Suppl., 7(6):  
301-7  
The refraction of microseisms on  
approaching the coast of the British  
Isles

M

Crane, J. (1957) 585403  
Zoologica, N.Y., 42(6)Pt. 2  
Basic patterns of display in fiddler  
crabs (Ocypodidae, genus Uca)

M

Chakravortty, K.C. & 585406  
R.C. Bhattacharjoo (1957)  
Indian J.Mot.Goophys., 8:313-20  
An analysis of the wave observations  
in the Bay of Bengal

M

du Bois-Reymond-Marcus, E. (1957) 585407  
Zool. Anz., 159(3-4):68-75  
 Neue Entoprocten aus der Gegend von  
 Santos (New Entoprocto from the  
 Santos region)

MF?

Dalos, R.P. (1957) 585410  
Ann. Mag. nat. Hist., 10(117):661-4  
 Polagic polychaetes from the Bay of  
 Biscay

M

Davenport, D. & J.F. 585408  
 Hickok (1957)  
Ann. Mag. nat. Hist., 10(117):625-31  
 Notes on the early stages of the  
 facultative commensal Podarke pugotten-  
sis Johnson (Polychaeta: Hesionidae)

M

Christiansson, E.T. (1957) 585411  
Rep. Swed. Deep-Sea Exp., 1(2):125-42  
 How the ALBATROSS became a research  
 vessel

M

d'Ancona, U. & 585409  
 M. Picotti (1957)  
Ist. Sperimentale Talassografico, 334  
 Croisière océanographique dans la  
 mer Adriatique (août-septembre 1955)  
 (Oceanographic cruise in the Adriatic  
 sea, Aug-Sept., 1955)

M

Codreanu, R. (1957) 585412  
Ann. Sci. nat., 19(4):561-72  
 Sur quatre espèces nouvelles de  
 Mictosporidies parasites de l'Artemia  
salina (L.) de Roumanie (On four  
 new species of Mictosporidiae parasites  
 of Artemia salina L. in Romania)

MF

De Boer, P.A. (1957) 585413  
Vissorijnieuws, 10(7):102-7  
Nieuws op oechoodgebied (News on  
ocho sounding)

M

Rico, F.P. (1958) 585416  
New York, 178 p.  
How to catch bass; a guide to fresh-  
water bass fishing

F

Liaiman, M.M. (1957) 585414  
Moscow, 258 p.  
Bolozni ryb (Fish diseases)

MF

Food & Agriculture Organization 585417  
of the United Nations (1957)  
Rep.FAO/LTAP, (617):150 p.  
Report to the Government of Pakistan  
on a preliminary plan for the  
development of the water resources of  
the right bank tributaries of the  
Indus in the northern part of West  
Pakistan. I. Report and illustrations  
II. Maps, graphs and tables

Discusses the geological & hydro-  
logical features relating to various  
projects which have been proposed,  
& indicates a priority classification  
for their examination & execution.

Moscow, Vsesoiuznii Nauchno- 585415  
Issledovatel'skii Institut Morskogo  
Rybnogo Khoziaistva i  
Okeanografii (1957)  
Moscow, 32 p.  
Rybye bogatstva SSSR (Abundance  
of fish in USSR)

M

585417  
(Card 2)  
Recommendations for further  
investigations are also offered.

GLN tjj

F

Indo-Pacific Fisheries Council (1957) 585419  
FAO Regional Office, Bangkok, 54 p.  
Current Affairs Bulletin no. 20

Briefly reports activities of I.P.F.C. & of its committees & officers, & important current fisheries developments both in member countries & other parts of the work as known to date of issue, November 1957. Lists references, & some annotations of recent publications of interest to fisheries workers in the Indo-Pacific region.

SJH:sjh

M

Voipio, A. (1957) 585422  
Acta chem.fenn., 30B:84-8  
On the magnesium content in the Baltic

The magnesium contents of 150 samples of sea water were taken from various depths at 46 stations, of which 43 were in the Baltic & 3 in Danish waters. The analytical procedure chosen was the complexometric titration with EDTA. The ratio of magnesium to chlorinity remained unchanged.

FiB:tl

MF

Sverdrup, H.U. (1957) 585420  
Curr.Aff.Bull., Bangkok, (20):1-2  
Oceanography and its necessity for fisheries programme in the Indo-Pacific region

Some ideas on how oceanographic work with application to fisheries may be started in regions where knowledge of the oceans is lacking or superficial.

SJH:glk

M

Ahmad, N. (1957) 585423  
Lahore, Pakistan, 14 p.  
Development of fisheries in East Pakistan

Discusses the resources, the present status of the fishery industry & further work to improve these industries.

GLK:glk

MF

Bruun, A.F. (1957) 585421  
Curr.Aff.Bull., Bangkok, (20):3-8  
Marine science in the Far East

Report of a tour to survey oceanographic programmes.

SJH:glk

M

Johnson, V.C. (1957) 585424  
Adm.Rep.Inl.Fish.Calif., (57-9):16 p.  
Chemical treatment of Putah Creek (Lake, Napa, Solano, and Yolo counties)

Detailed description of the methods used in the eradication of "rough Fish", especially Cyprinus carpio, with rotenone in a California stream prior to its impoundment.

WAD:wad

F

Pan American Union (1957) 585425  
Washington, D.C., 47 p.

Background material on the activities in the organization of American States relating to the law of the sea

Commentary on meetings & resolutions of Inter-American Council of Jurists & Specialized Conferences. Pertinent declarations & proclamations by member countries.

FiB:sjh

M

Bauer, G. (1957) 585428  
München, 77 p.

Die Ausnützung der Sonnenenergie durch das Phytoplankton eines eutrophen Sees (The utilization of solar energy by phytoplankton in an eutrophic lake)

Investigation of the intensity of photosynthesis & assimilation of plankton communities in lake Klostersee in 1951-52. Computation of the percentage of solar energy utilized by different communities in different depths & seasons, & investigations of other factors affecting the rates of photosynthesis & assimilation.

TL:tl

F

Warren, J.M. (1957) 585426  
J. Anim. Behav., 5:90-3

The phylogeny of maze learning. (1)  
Theoretical orientation

Incl. review of literature on maze experiments with goldfish, crayfish, fiddler crab & the green crab, Carcinus granulatus.

SJH:sjh

MF

Charpy, M.R. (1957) 585429  
Rivières & Forêts, (6):1-9

Aperçu d'ensemble sur la production piscicole d'eau douce française (Review of the production of the fresh-water fisheries of France)

A brief survey of the inland fisheries encompassing types of waters, spp., fish-culture & production.

FiB hr

F

Germany. Federal Republic (1957) 585427  
Statist. Bundesamt, Wiesbaden, 68 p.  
Seefischerei und Fischversorgung im Jahre 1956 (Sea fisheries and fish supplies in the year 1956)

Tables of production statistics by spp., months, regions, types of gear, & use of product; trade quantities & values; fishing effort; contains also a summary analysis & interpretation of the figure, with many diagrams.

FiB:sjh

M

Charpy, R. (1957) 585430  
Rivières & Forêts, (6):11-4

La pêche fluviale et l'administration des eaux et forêts (Inland waters and the administration of waters and forêts)

A review of the inland waters fishery services & their functions.

FiB hr

F

Bachelier, M. (1957) 585431  
Rivières & Forêts, (6):27-32  
Le repeuplement en truites - Problèmes  
pratiques (Trout stocking -  
Practical problems)

Reviews the trout & salmon stocking  
methods & operations in France.

FiB:hr

MF

Vivier, P. (1957) 585434  
Rivières & Forêts, (6):49-59  
Le milieu aquatique et son amélioration  
(The aquatic environment and its  
improvement)

Considerations on lakes, ponds, &  
streams improvement, habitats of  
various spp., acclimatation, pollution,  
& the work of the Applied Hydro-  
biological Stations of France.

FiB:hr

F

Brunet, M.R. (1957) 585432  
Rivières & Forêts, (6):33-8  
Le sandre et le brochet (The perch  
pike and pike)

Considerations on the biology &  
culture of Lucioperca sandra & Esox  
lucius in France.

FiB:hr

F

Capurro, L.S. (1957) 585435  
Invest.zool.chil., 4:22-8  
Anfibios de la region de los lagos  
Valdivianos (Amphibians of the  
region of the Valdivian lakes). En

8 spp. of Annuroid amphibian are  
mentioned as living in various habitats  
of the Valdivian lakes region. A  
statistical study of the colour patterns  
showed by a number of Pleurodema bibroni  
populations is made, mentioning for the  
1st time in the region the presence of  
Bufo variegatus, the known area of  
dispersal of which is thus expanded.

HR:hr

F

Prioux, M.G. (1957) 585433  
Rivières & Forêts, (6):39-44  
L'esturgeon en France (The sturgeon  
in France)

Considers the occurrence, life cycle,  
fishery & production of caviar.

FiB:hr

F

Springer, P.F. (1957) 585436  
N.C. Posticide Manual 1957, Raleigh, N.C.  
87-106  
Effects of herbicides and fungicides on  
wildlife

A review of the toxicity & repellency  
of materials in common use & their  
indirect benefit or harm to wildlife,  
birds & mammals, & aquatic life through  
improvement or deterioration of food  
& cover conditions.

WAD:wad

F

Nielsen, E. Steemann & 585437  
E.A. Jensen (1957)  
Galathea Rep., 1:49-135  
Primary oceanic production - The  
autotrophic production of organic  
matter in the oceans

Describes C<sup>14</sup> method & compares with  
other methods. Results of the  
measurment during expedition.  
Discusses factors affecting basic  
organic production in the oceans.

TL:tl

M

Gunter, G. (1957) 585440  
Nat.Fisherm., 38(3):18-9  
How does siltation affect fish  
production?

MF

Vaas, K.F. (1957) 585438  
Curr.Aff.Bull., Bangkok, (19) 1-4  
Differences and similarities between  
culture and capture operations in  
inland fisheries

Compares techniques & rates of  
production, with special reference to  
the differences in dynamics of the  
populations of enclosed bodies of  
water & open systems.

GLK:glk

F

Lowin, J.C. (1957) 585441  
Canad.J.Microbiol., 3 427-34  
Silicon metabolism in diatoms. 4. Growth  
and frustule formation in Navicula  
polliculosa

M

Black, M.A.P. & 585439  
F.N. Woodward (1957)  
Emp.J.exp.Agric., 25(97) 51-9  
Value of seaweeds in animal feeding  
stuffs as a source of minerals, trace  
elements, and vitamins

M

Loewe, F. (1957) 585442  
Aust.mot.Mag., (19):60-1  
Note on sea water temperatures at  
Macquarie Island

M

Talbot, F. (1957) 585443  
Ann.Mag.nat.Hist., Ser.12, 10:241-58  
Fishes of the genus Lutianus of the  
East African coast

M

Jackman, L.A.J. (1957) 585446  
Cassell, London, 138 p.  
Marine aquaria

M

Williams, F. & B.S. 585444  
Nowell (1957)  
J.Afr.agric.J., 23(2):113-8  
Notes on the biology of the dorado  
or dolphin-fish (Coryphaena hippurus)  
in East African waters

M

Holmquist, C. (1957) 585447  
Acta borealia, (13)  
On aborrant succumens of Praunus  
floeuosus and some other opossum  
shrimps

M

Nagai, M. (1957) 585445  
Tuna Fish., 42:27-32  
Japanese tuna longline fishing gear  
and methods; and future problems

M

Anonymous (1957) 585448  
Inform.Bull.Pacif.Sci.Ass., 9(5):3 p.  
IGY Oceanography

GLK:

M

Rosenberg, L.A. (1958) 585449  
C.R.Acad.Sci.U.R.S.S., 122:378-80  
 O zonalnom raspredelenii bakterii vodo  
 dalnovostochnykh morei i severo-  
 zapadnoi chasti Tikhogo Okeana  
 (Zonal distribution of bacteria in the  
 water of F. seas & the N.W. Pacific)

Description as per title on the basis  
 of esyrt & silt samples collected at  
 122 points of the N.W. Pacific & the  
 seas of Japan, Okhotsk & Bering.  
 States that average density of bacteria  
 increases from N. to S.

FAO:go

M

De-lon, S. (1958) 585450  
Zool.Zh., 37:1316-24  
 K voprosu o vliiannii temperaturного  
 faktora na zhiznedeiatelnost Onco-  
melania hupensis (Effect of  
 temperature on the activity of Onco-  
melania hupensis). En

Describes methods & results of  
 experimenting the effect of  
 temperature on the behaviour  
 survival rates of O. hupensis in water  
 & in air.

FAO:go

F

Vinogradova, N.G. (1958) 585451  
Zool.Zh., 37:1375-9.  
 O nakhozhdenii novogo vida astsidii  
Gnomidocarpa zonkovitchi sp. n. v  
 fiordo "oazisa" Bangora (Antarktika)  
 (Discovery of a new species of  
 ascidian Gnomidocarpa zonkovitchi in  
 a fiord of the Bangor "oasis",  
 Antarctic). En

Description of C. zonkovitchi & of  
 environments in which it was  
 discovered by the USSR Antarctic  
 Expedition in 1956.

FAO:go

M

Barsukov, V.V. & 585452  
 Iu.M. Permitin (1958)  
Zool.Zh., 37:1409-11  
 Novyi vid roda Pagotopsis (Somoistvo  
Chaeniethyidae) (New species of the  
 genus Pagotopsis, family Chaeniethyidae)  
 En

Describes the genus Pagotopsis Rogan  
 & of the sp. P. macropterus Boulanger  
 to set off peculiar features of a  
 specimen found by the Antarctic  
 Expedition of the USSR Academy of  
 Sciences, classified temporary as a  
 separate sp. P. maculatus Barsukov &

Permitin. Detailed description of  
 the latter. 585452  
 (Card 2)

FAO:go

M

Parin, N.V. (1958) 585454  
Zool.Zh., 37:1412-6  
 Novyi vid lotuchoi ryby iz zapadnoi  
 chasti Tikhogo Okeana - Cypselurus  
vitiazii Parin, sp.n. (Pisces, Exocoeti-  
dac) (Now species of flying fish  
 found in the W. Pacific - C. vitiazii  
 Parin, sp.n., Pisces, Exocoetidae).  
 En

Detailed description of adult & young  
 specimens found by the Academy of  
 Sciences expedition on board the  
 research ship VITIAZ. States comparative  
 data on C. vitiazii, C. atrisignis &  
C. spilopterus.  
 FAO:go M

Bornor, M. (1958) 585455  
Dtsch.FischZtg., 5:161-9  
 Die Fanggründe der Sassnitzer Kutter-  
 flotte in der Ostsee und deren wirt-  
 schaftliche Bedeutung für den Dorsch-,  
 Hering-, Plattfisch- und Sprottfang.I  
 (The fishing grounds in the Baltic Sea  
 and their economical value with  
 special regard to the production of  
 cod, herring, flatfish and sprat  
 achieved by the cutter fleet of  
 SASSNITZ)

Contents as per title.

FAO dr

M

Stegman, K. (1958) 585458  
Dtsch.FischZtg., 5:179-84  
 Die Karpfenzüchtung in Polen (Carp  
 cultivation in Poland)

General review, description of  
 cultivation methods & aims.

FAO dr

F

Libosvářský, J. (1958) 585456  
Dtsch.FischZtg., 5:174-6  
 Einiges über die Zucht der Grossen  
 Maräne in der Tschechoslowakei  
 (Some data on the cultivation of white  
 fish, Coregonus lavaretus, in the CSR)

Describes cultivation methods in the  
 CSR.

FAO:dr

F

Berner, M. (1958) 585459  
Dtsch.FischZtg., 5:193-200  
 Die Fanggründe der Sassnitzer Kutter-  
 flotte in der Ostsee und deren wirt-  
 schaftliche Bedeutung für den Dorsch-,  
 Hering-, Plattfisch- und Sprottfang.II  
 (The fishing grounds in the Baltic Sea  
 and their economical value with  
 special regard to the production of  
 cod, herring, flatfish & sprat  
 achieved by the cutter fleet of  
 Sassnitz. II)

Biological analysis of the catch  
 obtained in various fishing areas of  
 the Baltic Sea.

FAO:dr

M

Albrocht, M.-L. & 585457  
 F.-W. Tesch (1958)  
Dtsch.FischZtg., 5:176-8  
 Elektrofangeffekt in der Forillon-  
 Aschenregion (The effect of  
 electrical fishing within the trout-  
 grayling region)

Description of the catch effect  
 achieved in the POLLENZ with special  
 regard to the range of application of  
 electrical fishing in smaller flowing  
 waters.

FAO:dr

F

Mühlpforto, H. (1958) 585460  
Dtsch.FischZtg., 5:205-8  
 Zur Abwasserfrage der Zuckorfabriken  
 (The sewage problem of sugar  
 refineries)

General brief review.

FAO:dr

F

Goyor, R. (1958) 585461  
Dtsch.FischZtg., 5:208-11  
 Wichtige Hinweise für eine zweckmässige  
 Wasserprobenentnahme bei Fischsterben  
 (Important indications where to take  
 away water samples in the moment of  
 fish mortality)

Brief & popular guide.

FAO:dr

F

Rogge, B. (1958) 585464  
Dtsch.FischZtg., 5:234-7  
 Die Wasserflohzucht (The rearing of  
Daphnia)

Contents as per title.

FAO:dr

F

Müller, W. & G. Morla (1958) 585462  
Dtsch.FischZtg., 5:214-8  
 Theoretisches über den Wert von  
 Sonnenblumen-Extraktionsschrot als  
 Karpfenfuttermittel und einige  
 praktische Erfahrungen (Theory  
 about the value of sunflower extract  
 first used as food stuff for carps  
 with some practical experience)

Contents as per title.

FAO:dr

F

Morla, G. (1958) 585465  
Dtsch.FischZtg., 5:238-41  
 Über Bodentieruntersuchungen in  
 Karpfenteichen (On bottom fauna  
 investigations in carp ponds)

Describes investigations, with special  
 regard to the productivity factor of  
 various carp ponds.

FAO:dr

F

Michlor, G. (1958) 585463  
Dtsch.FischZtg., 5:218-20  
 Die Karpfenfütterung unter besonderer  
 Berücksichtigung der zeitlichen  
 Verteilung des Futters (Carp  
 feeding with special consideration  
 to the temporary distribution of  
 food stuffs)

Critical review.

FAO:dr

F

von Brandt, A. (1958) 585466  
Wiss.Informat.Fischereioprax., 5:61-9  
 Bericht über die 29. Reise des FFS  
 ANTON DOHRN an die schottische Ostküste  
 vom 28.5 - 19.6. 1958 (Report on the  
 29th research cruise of RV ANTON DOHRN  
 off the east coast of Scotland from  
 28.5 - 19.5, 1958)

Contents as per title.

FAO:dr

F

Provasoli, L. (1958) 585467  
Ann. Rev. Microbiol., 12:279-308  
Nutrition and ecology of protozoa and algae

Review of recent nutritional studies directed toward determining the factors responsible for blooming of protozoa & algae. Effects of abiotic environment on the organisms, incl. trace elements, temperature, & vitamins & plant hormones. Effects of the organisms on the abiotic environment & inter-actions between organisms.

FAO:glk

MF

Sigurdsson, A. (1958) 585470  
ICLIS Distant Northern Seas Committee,  
no. 107:2 p.

A preliminary report on Icelandic plaice investigations

Brief review of plaice fishery, with particular reference to overfishing problem.

FiB:efa

M

Kotthaus, A. (1958) 585468  
ICLIS Distant Northern Seas Committee,  
no. 19:4 p.

Composition of the German redfish-landings at Bremerhaven in respect of the different Sebastes types (August 1957 to June 1958)

Contains type composition & statistics of monthly landings of different redfish types.

FiB:efa

M

Magnússon, J. (1958) 585471  
ICLIS Distant Northern Seas Committee,  
no. 116:2 p.

Preliminary report on a redfish cruise to the Labrador Sea

Account of experimental cruise, stations network, temperature observations & average catch per trawling hour is given.

FiB:efa

M

Stefánsson, U. (1958) 585469  
ICLIS Distant Northern Seas Committee,  
no. 106:3 p.

Remarks on recent years' variations in the physical and chemical conditions of North Icelandic waters

Notes on variability of extension of drift-ice; temperature, salinity, & O<sub>2</sub> distribution; production of organic matter.

FiB:efa

M

Leloup, E. (1958) 585472  
ICLIS Near Northern Seas Committee,  
no. 16:2 p.

Le merlan au large de la côte belge (The whiting off the Belgian coast)

Contains yearly catch & value statistics & seasonal distribution of whiting; with notes on investigations for shrimp fishery & effect of different mesh sizes on ichthyologic fauna.

FiB:efa

M

Beverton, R.J.H., J.A. Gulland 585473  
& A.R. Margetts (1958).

ICES Near Northern Seas Committee,  
no. 68:5 p.

Progress report on English whiting  
tagging in the Irish Sea

Account of tagging experiments under-  
taken with ultimate purpose of  
assessing effect of increases in mesh  
size. Notes on methods & recaptures;  
influence of fishing on stocks &  
migration.

FiB of:

M

Margotts, A.R. (1958) 585476

ICES Near Northern Seas Committee,  
no. 110:2 p.

Some outstanding problems of the  
population biology of North Sea sole

Brief account of existing problems &  
suggestions for development of tagging  
techniques & coordination of research  
between countries concerned.

FiB of:

M

Gamble, R. (1958) 585474

ICES Near Northern Seas Committee,  
no. 83:5 p.

Some recent Scottish whiting  
investigations

Notes on racial investigations,  
otolith studies & brood fluctuations.

FiB of:

M

U.K. Fisheries Laboratory 585477

Lowestoft (1958)  
ICES Near Northern Seas Committee,  
no. 114:2 p.

Provisional programme for 1959 -  
England and Wales

Brief accounts of provisional  
programmes for comparative fishing,  
echo-sounding, horring, sprat, pilchard,  
tagging, elasmobranchs & gadoids.

FiB of:

M

Bertelsen, E. & 585475

K. Popp Madsen (1958)  
ICES Near Northern Seas Committee,  
no. 99:6 p.

Some observations on sand-eels (Ammo-  
dytes). Biology and fishery

Preliminary account of observations  
on composition of catch, diurnal  
variation of catch, change of colour  
& effect of fishing upon stocks.

FiB of:

M

Steele, J.H. (1958) 585478

ICES Hydrographic Committee, no. 17:2 p.  
Observations of deep water overflow  
across the Iceland-Faroe Ridge

Presentation of temperature data  
indicating flow across the Ridge.

FiB of:

M

Picotti, M. (1958) 585479  
ICES Hydrographic Committee, no. 24:2 p.  
 Recherches océanographiques dans  
 l'Adriatique en 1955 (Oceanographic  
 researches in the Adriatic during 1955)

Account of investigations made by the  
 reconstructed Thalassographic  
 Institute of Trieste in collaboration  
 with the Centre of Thalassographic  
 Researches in Venice & Oceanographic  
 Institute in Göteborg.

FiB:cfa M

Schleicher, K. (1958) 585482  
ICES Hydrographic Committee, no. 37:2 p.  
 The Woods Hole Salinometer

Description of newly designed instrument  
 & principle of operation.



FiB:cfa

Tait, J.B. (1958) 585480  
ICES Hydrographic Committee, no. 34:6 p.  
 Bottom current measurements on the  
 Wyville Thomson Ridge by the  
 Carruthers "Pisa" subsurface current  
 indicator

Account of observations & current  
 measurements, with ill. description  
 of subsurface current indicator.

FiB:cfa M

Filarski, J. (1958) 585483  
ICES Hydrographic Committee, no. 46:2 p.  
 Hydrographic observations in the North  
 Sea in May 1958

Reports purpose & region of  
 observations, methods employed &  
 results obtained.

FiB:cfa M

Tait, J.B. (1958) 585481  
ICES Hydrographic Committee, no. 35:3 p.  
 Bottom current measurements between  
 Faroe Bank and the Faroe Islands by the  
 Carruthers "Pisa" subsurface current  
 indicator

Contents as per title.

FiB:cfa M

Carruthers, J.N. & 585484  
 A.J. Leo (1958)  
ICES Hydrographic Committee, no. 52:4 p.  
 Current measurements with the Pisa  
 current indicator in the Norwegian and  
 Greenland Seas

Presentation of results of various  
 current measurements with Pisa & Pot  
 indicators & jolly-box current conc.

FiB:cfa M

<p>Krauss, W. (1958) 585485  <u>ICLS Hydrographic Committee, no. 54:3 p.</u>  Our knowledge about internal waves in the northern North Atlantic ocean</p> <p>Brief review of theory of internal waves.</p> <p>File ofa M</p>	<p>Mosby, H. (1958) 585488  <u>ICLS Hydrographic Committee, no. 92:1 p.</u>  The renewal of the deep water layers in the Norwegian Sea</p> <p>Consideration of 3 processes of renewal: influx of Atlantic water in surface layers, formation of bottom water by convection, &amp; renewal of intermediate deep water by advection.</p> <p>File ofa M</p>
<p>Cox, R.A. (1958) 585486  <u>ICLS Hydrographic Committee, no. 55:2 p.</u>  The performance of the electric salinometer and the problem of a suitable referenced standard</p> <p>Contents as per title.</p> <p>File ofa M</p>	<p>Jaragov, B. (1958) 585489  <u>ICLS Hydrographic Committee, no. 93:3 p.</u>  Main conclusions from observations carried out in September 1957 north of Iceland</p> <p>Account of oceanographic survey by R/V PROFESSOR MESYATSEV. Incl. Si observations, distribution of biomass &amp; zooplankton sp., charts of dynamic topography &amp; directions of surface currents.</p> <p>File ofa M</p>
<p>Carruthers, J.N. &amp; A.J. Loo (1958) 585487  <u>ICLS Hydrographic Committee, no. 69:5 p.</u>  A note on the uses of some new types of current meter</p> <p>Ill. descriptions &amp; principle of operations of jelly-box current conc, Pot current indicator, &amp; Pisa current indicator.</p> <p>File ofa M</p>	<p>Fodosov, V. &amp; K. Spichak (1958) 585490  <u>ICLS Hydrographic Committee, no. 94:4 p.</u>  Hydrochemical research in the area from the Azores to the Gulf of Guinea in the spring and autumn 1957 (Research vessel KAZAN)</p> <p>Account of investigations for intensity &amp; power of process of formation of organic matter.</p> <p>File ofa M</p>

Alexejev, A. (1958) 585491  
ICES Hydrographic Committee, no. 95:7 p.  
 The hydrographical conditions in the  
 northern part of the Denmark Strait,  
 August 1957

Account of R/V SEVASTOPOL oceanographic  
 cruise, with temperature, salinity,  
 O<sub>2</sub>, P, Si observations on 50 stations  
 of 4 oceanographic sections.

FiB:efa

M

Shirokov, K.P. (1958) 585494  
ICES Hydrographic Committee, no. 115:1 p.  
 Temperature and salinity in the  
 Baltic Sea in May-November 1957

Contents as per title.

FiB:efa

M

Andersen, K.P. (1958) 585492  
ICES Hydrographic Committee, no. 97:3 p.  
 The climatic change in the North Sea  
 1897-1939 in the light of observations  
 from the Danish lightvessel HORNS RLV

Contents as per title.

FiB:efa

M

Zagrodzki, K. (1958) 585495  
ICES Hydrographic Committee, no. 117:1 p.  
 State Institute for Hydrology and  
 Meteorology, Oceanographic Department  
 in Gdynia

Notes on creation & aim of Department,  
 its sections, laboratories; programme of  
 work.

FiB:efa

M

Zagrodzki, K. (1958) 585493  
ICES Hydrographic Committee, no. 103:8 p.  
 Temperature and salinity of the  
 Southern Baltic waters, August 1957 -  
 May 1958

Vertical distribution diagrams of  
 temperature & salinity.

FiB:efa

M

Lumby, J.R. (1958) 585496  
ICES Hydrographic Committee, no. 118:5 p.  
 The IGY World Data Centres for  
 oceanography

Notes on set-up & activities of Data  
 Centres.

FiB:efa

M

Green, P. (1958) 585497  
ICES Hydrographic Committee, no.119:1 p.  
Memorandum on the hydrographic  
possibilities of an observation platform  
in the North Sea

Account of project with brief  
exposition of potential usefulness.

FiB:efa

M

Hela, I. (1958) 585500  
ICES Hydrographic Committee, no.121:9 p.  
Report of the Sub-Committee for  
Mechanizing the Index of Hydrographic  
Data held by the Council

Contents as per title.

FiB:ofa

M

Dietrich, G. (1958) 585498  
ICES Hydrographic Committee, no.120:2 p.  
Report of the Sub-Committee on the  
Preparation of Mean Charts of the  
Salinity and Temperature of the Surface  
Layer

Incl. data for sea surface temperature  
available at meteorological offices.

FiB:efa

M

Döhnecke, G. (1958) 585501  
ICES Hydrographic Committee, no.122:4 p.  
Report of the Sub-Committee on the  
IGY

Contains tentative survey of work  
so far carried out.

FiB:ofa

M

Hill, H.W. (1958) 585499  
ICES Hydrographic Committee, App. to  
no. 120:4 p.  
Sub-Committee on the Preparation of  
Mean Charts of the Salinity and  
Temperature of the Surface Layer

Reports progress of work on trial  
computations.

FiB:efa

M

Thomson, H. (1958) 585502  
ICES Hydrographic Committee, no.123 1  
Denmark

Report on oceanographical work carried  
out in connexion with the International  
Geophysical Year.

FiB:efa

M

Lee, A.J. (1958) 585503  
ICES Hydrographic Committee, no.123:1-3  
England

Report on oceanographical work carried out in connexion with the International Geophysical Year.

FiB:efa M

Stofánsson, U. (1958) 585506  
ICES Hydrographic Committee, no.123:4  
Iceland

Report on oceanographical work carried out in connexion with the International Geophysical Year.

FiB:efa M

Hela, I. (1958) 585504  
ICES Hydrographic Committee, no.123:3  
Finland

Report on oceanographical work carried out in connexion with the International Geophysical Year.

FiB:efa M

Went, A.E.J. (1958) 585507  
ICES Hydrographic Committee, no.123:4  
Ireland

Report on oceanographical work carried out in connexion with the International Geophysical Year.

FiB:efa M

Dietrich, G. (1958) 585505  
ICES Hydrographic Committee, no.123:3-4  
German Federal Republic

Report on oceanographical work carried out in connexion with the International Geophysical Year.

FiB:efa M

Groen, P. (1958) 585508  
ICES Hydrographic Committee, no.123:5  
Netherlands

Report on oceanographical work carried out in connexion with the International Geophysical Year.

FiB:efa M

Tait, J.B. (1958) 585509  
ICES Hydrographic Committee, no.123:5  
Scotland

Report on oceanographical work carried out in connexion with the International Geophysical Year.

FiBo:ofa

M

Colton, J.B., Jr. (1958) 585512  
ICES Hydrographic Committee, no.123:6  
U.S.A.

Report on oceanographical work carried out in connexion with the International Geophysical Year.

FiBo:ofa

M

Kullonberg, B. (1958) 585510  
ICES Hydrographic Committee, no.123:5  
Sweden

Report on oceanographical work carried out in connexion with the International Geophysical Year.

FiBo:ofa

M

Picotti, M. (1958) 585513  
ICES Hydrographic Committee, Add. to  
no. 123:1  
Italy

Report on oceanographical work carried out in connexion with the International Geophysical Year.

FiBo:ofa

M

Martin, W.R. (1958) 585511  
ICES Hydrographic Committee, no.123:5  
International Commission of the  
Northwest Atlantic Fisheries. Canada

Report on oceanographical work carried out in connexion with the International Geophysical Year.

FiBo:ofa

M

Eggvin, J. (1958) 585514  
ICES Hydrographic Committee, Add. to  
no. 123:1-2  
Norway

Report on oceanographical work carried out in connexion with the International Geophysical Year.

FiBo:ofa

M

Proobragonsky, J.V. (1958) 585515  
ICES Hydrographic Committee, Add. to  
no. 123:2  
U.S.S.R.

Report on oceanographical work carried  
out in connexion with the International  
Geophysical Year.

FiB:ofa

M

Loloup, (1958) 585518  
ICES Hydrographic Committee, no.134:1  
Belgium

Preliminary programme for hydrographic  
work in 1959.

FiB:ofa

M

Anonymous (1958) 585516  
ICES Hydrographic Committee, 1 p.  
Draft plan for the investigation of  
cold, deep-water overspill into the  
North Atlantic ocean over the Iceland-  
Faroe Ridge

Contents as per title.

FiB:ofa

M

Thomsen, (1958) 585519  
ICES Hydrographic Committee, no.134:1  
Denmark

Preliminary programme for hydrographic  
work in 1959.

FiB:ofa

M

ICES. Hydrographic 585517  
Service (1958)  
ICES Hydrographic Committee, no.133:14p.  
Routine observations from commercial  
vessels, lightships and fixed stations  
as per 1. September 1958

Contains positions of stations &  
frequency of observations for  
temperature, salinity, current  
measurements in: I. Baltic, Transition  
area & Skagorrak; II. North Sea, English  
Channel & Irish Sea; III. North  
Atlantic.

FiB:ofa

M

Hola, I. (1958) 585520  
ICES Hydrographic Committee, no.134:1  
Finland

Preliminary programme for hydrographic  
work in 1959.

FiB:ofa

M

Böhnecke, (1958) 585521  
ICES Hydrographic Committee, no.134:2  
German Federal Republic

Preliminary programme for hydrographic work in 1959.

FiB:ofa

M

Kullenberg, (1958) 585524  
ICES Hydrographic Committee, no.134:2  
Sweden

Preliminary programme for hydrographic work in 1959.

FiB:ofa

M

Stefánsson, (1958) 585522  
ICES Hydrographic Committee, no.134:2  
Iceland

Preliminary programme for hydrographic work in 1959.

FiB:ofa

M

Lodnev, V.A. (1958) 585525  
ICES Hydrographic Committee, no.134:3  
U.S.S.R.

Preliminary programme for hydrographic work in 1959.

FiB:ofa

M

Went, (1958) 585523  
ICES Hydrographic Committee, no.134:2  
Ireland

Preliminary programme for hydrographic work in 1959.

FiB:ofa

M

Smød, J. (1958) 585526  
ICES Hydrographic Committee, no.135:1 p.  
Report on activities of the Service Hydrographique, 1957-1958

Account of work done on Bulletin Hydrographique, hydrographical card index, wind data, synoptic hydrographic charts, mean charts & publications. Other miscellaneous work.

FiB:ofa

M

Anonymous (1958) 585527  
ICES Hydrographic Committee, 4 p.  
Hydrographical parts of long-term  
programmes, 1952

Brief outlines of programmes for  
Northern Areas, Atlantic, Transition  
Area & Baltic Area, with positions  
of continuous sections in Faroes,  
Icelandic & Greenland waters.

FiB:efa

M

Cooper, L.H.N. & al. (1958) 585530  
ICES Hydrographic Committee, no.144:7 p.  
A draft report to the International  
Council on units of measurement in  
chemical oceanography

Contents as per title.

FiB:efa

M

Hela, I. (1958) 585528  
ICES Hydrographic Committee, no.136:1 p.  
Report of the Sub-Committee on the  
Co-ordination of Hydrographic  
Investigations in the Baltic

Contents as per title.

FiB:efa

M

Saclen, O.H. (1958) 585531  
ICES Hydrographic Committee, no.140:2 p.  
Punched-card treatment of hydrographic  
observations on the electronic  
computer IBM 650

Notes on computations of  $\delta t$ , anomaly  
of specific volume,  $\sigma_t$ , dynamic  
depth & integral of dynamic depth.

FiB:efa

M

Soskin, I.M. (1958) 585529  
ICES Hydrographic Committee, no.137:7 p.  
Hydrological conditions of the Baltic  
Sea and solar activity

Notes on general relation between long-  
term variations in hydrological  
conditions & secular variation of  
solar activity. Incl. comparison of  
integral curves of Wolf numbers,  
surface salinity, water exchange  
through Danish straits & difference  
between heights of sea levels in Baltic  
& Kattegat.

FiB:efa

M

Tait, J.B. (1958) 585532  
ICES Hydrographic Committee, no.146:3 p.  
Report of the Sub-Committee for the  
Investigation of Sub-Arctic, Deep-water  
overflow across the Iceland-Faroe  
Ridge

Notes on proposed scheme participating  
countries & draft survey plan with  
position of stations.

FiB:efa

M

Fraser, J.H. (1958) 585533  
ICES Plankton Committee, no. 20:5 p.  
Scottish plankton investigations  
in Icelandic waters in 1957

Account of investigations for plankton  
community & the current system.

FiB:ofa

M

Messtorff, J. (1958) 585536  
ICES Comparative Fishing Committee,  
no. 23:4 p.

Length-girth measurements of cod and  
their relationship to mesh selection

Contents as per title.

FiB:efa

M

Fraser, J.H. (1958) 585534  
ICES Plankton Committee, no. 21:1 p.  
Plankton identification sheets

Reports series of sheets to be  
issued.

FiB:efa

M

Boerema, L.K. (1958) 585537  
ICES Comparative Fishing Committee,  
no. 57:2 p.

Note on the need for standardization  
of mesh measuring methods

Contents as per title.

FiB:efa

MF

von Brandt, A. (1958) 585535  
ICES Comparative Fishing Committee,  
no. 22:2 p.  
Escapement of haddock through a wire  
mesh cod-end

Account of selectivity experiments  
by FRV ANTON DOHRN with 80mm wire  
mesh cod-end. Total escapement found  
to be greater in rigid wire mesh  
cod-end than in cod-end of other  
material.

FiB:efa

M

Boerema, L.K. (1958) 585538  
ICES Comparative Fishing Committee,  
no. 58:3 p.  
Mesh experiments

Notes on effect of type of cover on  
mesh selection data & comparison of  
mesh selection of cod-ends made of  
hemp & of polyethylene.

FiB:efa

M

Treschev, A. (1958) 585539  
ICES Comparative Fishing Committee,  
no. 62:5 p.  
Classification of fishing gear

Notes on system of classification to  
systematize fishing gear, on basis of  
analyses of their construction &  
principle of action.

FiB:efa

MF

Jones, R. (1958) 585542  
ICES Comparative Fishing Committee,  
no. 82:4 p.  
Some observations on cover effects

Presentation of results & conclusions  
of experiments analysing masking  
effect of different covers.

FiB:efa

M

Andreev, N.N. (1958) 585540  
ICES Comparative Fishing Committee,  
no. 79:7 p.  
The theory of fishing with purse-seine

Review of principles of fishing with  
pelagic seines & discussions on  
factors effecting success of fishing.

FiB:efa

M

Pope, J.A., M. Roossingh 585543  
& A. von Brandt (1958)  
ICES Comparative Fishing Committee,  
no. 88:7 p.  
International mesh selection  
experiments, 1958

Reports some results obtained during  
combined mesh selection experiment  
between fishery research vessels of  
Holland, Germany & Scotland.

FiB:efa

M

Jones, R. (1958) 585541  
ICES Comparative Fishing Committee,  
no. 81:6 p.  
Some observations on the analysis of  
selection data

Description of a reasonably efficient  
method of weighing & combining  
selectivity data from several hauls,  
into a single selection ogives, with  
discussion of suitable method of  
making statistical comparison between  
selection results from different gears.

FiB:efa

M

Bortelson, E. & al. (1958) 585544  
ICES Comparative Fishing Committee,  
no. 89:6 p.  
International comparative fishing  
effort experiments 1958

Reports results of comparative fishing  
experiments by EXPLORER, DANA, WILLEM  
B. JUKELSZ & ANTON DOHRN. Comparison of  
total numbers of each sp. caught by each  
ship, & conversion factors for different  
spp. & different pairs of ship is  
given.

FiB:efa

M

Cieglewicz, W. & 585545  
W. Strzyzowski (1958)  
ICES Comparative Fishing Committee,  
no. 111:8 p.  
Selection of cod by different parts of  
cod-end

Reports experiments in Baltic Sea to  
investigate relationship between  
selectivity of different parts of cod-  
end, wholly or partly of different  
materials.

FiB:ofa

II

Domol, K. & Z. Mulicki (1958) 585548  
ICES Baltic-Bolt Seas Committee,  
no. 30:6 p.  
Quantitative studies on the opibenthos  
in the South Baltic

Account of investigations on  
quantitative relations of opibenthos,  
with ill. description of Ostromouw-  
trawl for collecting near-bottom fauna.

FiB:of.

II

Bevorton, R.J.H. & 585546  
B.C. Bedford (1958)  
ICES Comparative Fishing Committee,  
no. 112:4 p.  
On the measurement of the bias and  
precision of mesh gauges

Outlines method of establishing  
performance of mesh gauges which  
permits a direct measurement of  
operation bias & of precision with  
which gauge can be used. Incl.  
comparison between hand-wedge &  
Lowestoft direct-pull fixed-load  
gauge.

FiB:ofa

MF

Mulicki, Z. (1958) 585549  
ICES Baltic-Bolt Seas Committee,  
no. 31:5 p.  
The polychaete Harmothoe sarsi Kinberg  
and its environment in the Baltic

Account of studies on quantitative  
distribution of sp. with regard to  
hydrographical conditions.

FiB:ofa

II

Bevorton, R.J.H. (1958) 585547  
ICES Comparative Fishing Committee,  
no. 113:2 p.  
A possible effect of design of cover  
on cod-end selectivity tests for North  
Sea cod

Reports estimates of trawl cod-end  
selection factors for North Sea cod,  
using 2 designs of cover & possible  
influence of cover on observed  
selectivity.

FiB:ofa

M

Giszowski, P. & 585550  
K. Domol (1958)  
ICES Baltic-Bolt Seas Committee,  
no. 32:2 p.  
Experiments on estimating the stock of  
Furcellaria fastigiata in the Puck Bay  
by means of diving methods (The Gulf  
of Gdansk)

Contents as per title.

FiB:ofa

M

Głowińska, A. (1958) 585551  
ICES Baltic-Bolt Seas Committee,  
 no. 33:7 p.  
 Hydrographical conditions in the  
 Southern Baltic, January 1957- June  
 1958

Reports observations on temperature,  
 salinity, O<sub>2</sub>, & phosphate contents;  
 station network & positions.

FiB:ofa

M

Jonson, Aa.J.C. (1958) 585554  
ICES Baltic-Bolt Seas Committee,  
 no. 132:2 p.

The influence of predatory animals upon  
 the stocks of fish and the yield of the  
 fisheries

Discussions on predation of cod in Bolts  
 & Baltic.

FiB:ofa

M

Domontjeva, T.F. (1958) 585552  
ICES Baltic-Bolt Seas Committee,  
 no. 61:2 p.  
 Prospect of fishing in 1959 in the  
 eastern part of the Baltic

Commercial fish forecasting for 1959.  
 A decrease is expected.

FiB:ofa

M

Rutkiewicz, S. (1958) 585555  
ICES Gadoid Fish Committee, no. 29:4 p.  
 The progress of cod spawning in the  
 Southern Baltic in the Spring of 1958

Review of fishery & spawning behaviour,  
 with notes on unusually low % of  
 spawning cod in Gdansk Deep.

FiB:ofa

M

Sogorstråle, S.G. (1958) 585553  
ICES Baltic-Bolt Seas Committee,  
 no. 96:1 p.  
 Observations on the stock composition  
 of Macoma baltica in the coastal  
 waters of Southern Finland during the  
 period 1926-1958

Contents as per title.

FiB:ofa

M

Stanok, E. (1958) 585556  
ICES Gadoid Fish Committee, no.49:12 p.  
 Fluctuation of the Bornholm Basin cod  
 stock in 1955-1958

Discussions on depletion of cod stocks  
 owing to weak recruitment, with notes  
 on seasonal occurrence, spawning,  
 composition in commercial catch, age &  
 growth, & coefficient of condition.

FiB:ofa

M

Beverton, R.J.H. & 585557  
 G. Saetersdal (1958)  
ICLIS Gadoid Fish Committee, no. 75:5 p.  
 Progress report on joint investigation  
 of Arctic cod

Review of existing information on  
 dynamics of Arctic cod stocks; with  
 proposed programme of analysis of data.

FiB:efa

M

Ruivo, M. & G. Quartin (1958) 585560  
ICLIS Gadoid Fish Committee, no.141:5 p.  
 Résultats préliminaires des  
 observations faites sur la morue (G.  
callarias L.), au Groenland (1958)  
 (Preliminary results of observations on  
 the cod, G. callarias L., in Greenland,  
 1958)

Presents data on age composition,  
 size distribution, & sex ratio.

FiB:efa

M

Ruivo, M. & G. Quartin (1958) 585558  
ICLIS Gadoid Fish Committee, no. 85:5 p.  
 Observations on the cod (Gadus  
callarias L.) in Greenland (1957)

Presents data on age, length, weight,  
 sex compositions; growth, sex ratio  
 & stages of maturity.

FiB:efa

M

Saetersdal, G. (1958) 585561  
ICLIS Gadoid Fish Committee, no.146:3 p.  
 A note on the estimation of brood-  
 strength in Arctic cod and haddock

Contents as per title.

FiB:efa

M

Maslov, N.A. (1958) 585559  
ICLIS Gadoid Fish Committee, no.129:4 p.  
 Condition of the stocks and abundance  
 of cod in the Southern Barents Sea

Discussions on fluctuations of year  
 classes, influence of increasing  
 fishing intensity & effect of  
 climatic factors upon cod stocks.

FiB:efa

M

Hempel, G. (1958) 585562  
ICLIS Herring Committee, no. 18:5 p.  
 On the growth of otoliths in young  
 herring of the German Bight

Contents as per title.

FiB:efa

M

<p>Burd, A.C. (1958) 585563  <u>ICES Herring Committee</u>, no. 36:3 p.  <u>Calanus</u> and the herring</p> <p>Notes on association of increase in mean length of East Anglian herring with increase in number of <u>Calanus</u>.</p> <p>FiB:efa M</p>	<p>Griag, R.E. (1958) 585566  <u>ICES Herring Committee</u>, no. 43:4 p.  Dependence of catches on temperature and wind in the Buchan pre-spawning fishery</p> <p>Notes on relation of availability of herring of 4 years old &amp; older to wind &amp; temperature during catching season.</p> <p>FiB:efa M</p>
<p>Parrish, B.B. &amp; D.P. Sharman (1958) 585564  <u>ICES Herring Committee</u>, no. 41:6 p.  Otolith types amongst summer-autumn spawning herring in the northern North Sea</p> <p>Account of preliminary analysis of otolith characters to provide useful pointers to sources of supply &amp; racial composition of NW North Sea spawning concentrations.</p> <p>FiB:efa M</p>	<p>Parrish, B.B. &amp; al. (1958) 585567  <u>ICES Herring Committee</u>, no. 44:7 p.  Observations on herring spawning and larval distribution in the Clyde estuary in 1958</p> <p>Notes on detailed dredge &amp; grab survey of the bank; estimation of number of eggs in patch, total spawning stock size, &amp; seasonal fishing mortality rate.</p> <p>FiB:efa M</p>
<p>Baxter, I.G. (1958) 585565  <u>ICES Herring Committee</u>, no. 42:5 p.  Fecundities of winter-spring and summer-autumn herring spawners</p> <p>Comparison of fecundities of summer-autumn spawners, spawning in NW North Sea, off Scottish east coast in August-September, &amp; Southern Bight of North Sea &amp; East English Channel in November-December.</p> <p>FiB:efa M</p>	<p>Popiel, J. (1958) 585568  <u>ICES Herring Committee</u>, no. 48:8 p.  The growth-rate of the Southern Baltic herring</p> <p>Contents as per title.</p> <p>FiB:efa M</p>

Popiel, J. (1958) 585569  
ICES Herring Committee, no. 50:1 p.  
Preliminary results of the gill-raker  
counts in spring-spawners of the Gulf  
of Gdansk

Account of investigations to make certain  
whether particular spring-herring stocks  
appearing in South Baltic differ among  
each other in number of gill-rakers they  
possess.

FiB:efa

M

Cushing, D.H. (1958) 585572  
ICES Herring Committee, no. 66:15 p.  
Recruitment to the North Sea herring  
stocks

Review of hypothesis in earlier &  
present mechanism of recruitment, with  
bibliographic list.

FiB:ofa

M

Krivobock, M.N. (1958) 585570  
ICES Herring Committee, no. 63:4 p.  
The importance of fat for the process of  
maturity and the spawning migrations of  
salaka (Baltic herring)

Reports results of investigations on the  
role of fat in process of maturation  
& spawning migrations.

FiB:efa

M

Burd, A.C. (1958) 585573  
ICES Herring Committee, no. 67:9 p.  
Recruitment and the north Shields  
fishery

Discussion on the changes in patterns  
of recruitment to feeding fishery &  
spawning stocks.

FiB:ofa

M

Cushing, D.H. (1958) 585571  
ICES Herring Committee, no. 65:11 p.  
The conservation of the herring of the  
Southern North Sea

Account of investigations to show that  
reduction in catch of herring is due  
to fishing. Devised method of conservation,  
depending upon relative stable yields,  
is given.

FiB:efa

M

Biryukov, N.P. (1958) 585574  
ICES Herring Committee, no. 77:12 p.  
On the distribution of herring in the  
North Sea in 1957

Account of studies of distribution &  
behaviour of herring concentrations on  
the basis of complex echo-sounding,  
hydrological & planktonic surveys.

FiB:ofa

M

Lisivnenko, L.N. (1958) 585575  
ICES Herring Committee, no. 78:5 p.  
Distribution and behaviour of salaka  
(Baltic herring) larvae and fry in the  
Gulf of Riga

Summarizes results of investigations  
carried out in 1955-57 on the  
distribution of young salaka.

FiB:efa

M

Zijlstra, J.J. (1958) 585578  
ICES Herring Committee, no. 102:4 p.  
Some data on the southern North Sea  
herring stock

Presentation of catch/effort, age  
distribution, & mortality rate data  
on herring stocks.

FiB:efa

M

Ancellin, J. & 585576  
C. Nédélec (1958)  
ICES Herring Committee, no. 100:6 p.  
Résultats préliminaires de la campagne  
de marquages de harengs dans le sud de  
la Mer du Nord et en Manche Orientale  
(navire PRESIDENT THEODORE TISSIER -  
Novembre 1957) (Preliminary results  
on the herring-tagging campaign in the  
south of the North Sea and the  
western Channel (vessel PRESIDENT  
THEODORE TISSIER - November 1957))

Account of experiments & results  
obtained.

FiB:efa

M

Blwortowski, J. (1958) 585579  
ICES Sardine Committee, no. 45:10 p.  
Preliminary investigations on the  
dynamic of the sprat living in the  
Southern Baltic

Presents results of investigations to  
recognize principal factors determining  
dynamics of sprat stock.

FiB:efa

M

Zijlstra, J.J. (1958) 585577  
ICES Herring Committee, no. 101:3 p.  
The trawl-herring catches of the  
Netherlands in the period 1947-1957

Contains calculated catch/unit-effort to  
get indices of abundance for herring  
stocks; with comparison of Dutch herring-  
trawl data with those of Belgium &  
Germany.

FiB:efa

M

Mańkowski, W. (1958) 585580  
ICES Sardine Committee, no. 47:4 p.  
Characteristics of the sprat spawning  
in the recent years

Notes on vertical distribution of eggs  
of 2 separate groups of sprat in Gdansk  
Deep.

FiB:efa

M

Borodatov, V.A. (1958) 585581  
ICES Sardine Committee, no. 80:6 p.  
 Data on the biology of Sardinella aurita  
 in the Cape Verde area

Account of observations on distribution  
 of sp. in open sea & conditions  
 affecting it; with length, maturity &  
 fat content determination.

FiB:ofa

M

Vilcila, H. & J.S. Pinto (1958) 585584  
ICES Scombriform Fish Committee,  
 no. 84:7 p.

Sur les thons qu'on pêche au Portugal  
 (On tunas caught in Portugal)

Account of observations on weight,  
 length, age, sex ratio, & sexual  
 maturity of Thunnus thynnus L.  
 Seasonal occurrence & temperature &  
 salinity observations of surface water  
 for southern coast given.

FiB:ofa

M

Oliver, M., F. Cabanas & L. Molins (1958) 585582  
ICES Sardine Committee, no. 138:1 p.  
 La ponte de la sardine (C. pilchardus  
 Walb.) au Golfe de Cadix (The  
 spawning of sardine C. pilchardus Walb.  
 in the Bay of Cadiz)

Account of bio-oceanographic survey by  
 XAULN to study spawning of sardines in  
 Mediterranean & Atlantic waters.

FiB:ofa

M

Hamre, J. (1958) 585585  
ICES Scombriform Fish Committee,  
 no. 91:6 p.

About the age composition of Norwegian  
 tuna catches in the years 1954-58

Account of investigations on weight, &  
 age composition of shoals. Incl.  
 weekly tuna landings for 1954-58 &  
 growth curves compared to that of  
 Mediterranean.

FiB:ofa

M

Guosta, J. (1958) 585583  
ICES Sardine Committee, no. 139:1 p.  
 Observations sur la biologie de la  
 sardine (C. pilchardus Walb.) à  
 Santander, 1958 (Observations on the  
 biology of the sardine, C. pilchardus  
 Walb., at Santander 1958)

Reports observations on hydrological  
 conditions & mortality of egg with  
 regard to aggregation of sardine shoals  
 in 1957-58.

FiB:ofa

M

Meyer-Waarden, P.F. (1958) 585586  
ICES Scombriform Fish Committee,  
 no. 104:4 p.

German investigations on the North Sea  
 tuna population

Notes on fishing grounds, size  
 composition of catches & condition of  
 tuna. Incl. monthly landing statistics.

FiB:ofa

M

Shearer, W.M. (1958) 585587  
ICES Salmon & Trout Committee, no. 25:4 p.  
 Further notes on sea trout  
 transportation experiments, River Dee,  
 Aberdeenshire

Accounts of investigations on factors  
 effecting the % return of fish removed  
 from burn they have ascended.

FiB:efa

MF

Alm, G. (1958) 585590  
ICES Salmon & Trout Committee, no. 51:3 p.  
 Notes regarding the salmon fishery  
 in the Baltic in the year 1957

Notes on yield of fisheries, seasonal  
 occurrence & size groups.

FiB:efa

MF

Chrzan, F. (1958) 585588  
ICES Salmon & Trout Committee, no. 27:6 p.  
 Estimation of the length- and weight  
 increases of salmon and sea trout caught  
 by the Polish fishermen

Presents data on growth rates during  
 successive years spent in rivers & in  
 sea.

FiB:efa

MF

Lishev, M.N. (1958) 585591  
ICES Salmon & Trout Committee, no. 64:4 p.  
 Differences in the structure of scales  
 of Baltic salmon of various river  
 populations

Notes on determination of number of  
 individuals belonging to local  
 populations composing a stock by  
 specific features of interconnexion  
 between length of young fish & number  
 of sclerite rings on scales.

FiB:efa

MF

Kändler, R. (1958) 585589  
ICES Salmon & Trout Committee, no. 40:4 p.  
 The German salmon fishery in the South-  
 Eastern Baltic in the seasons 1956/1957  
 & 1957/1958

Brief report on yield & observed  
 changes in size composition of  
 commercial catches.

FiB:efa

MF

Nielsen, J. (1958) 585592  
ICES Salmon & Trout Committee, no. 90:3 p.  
 Some notes on the distribution and  
 biology of salmon in Greenland

Notes on natural & artificial  
 distribution; age, growth & tagging  
 experiments.

FiB:efa

MF

Twomey, M. (1958) 585593  
ICLS Salmon & Trout Committee, no. 9&2 p.  
Movements of salmon around Ireland -  
from Ardmore, Co. Waterford

Account of tagging experiments relating  
to movement of salmon in sea.

FiB:efa

MF

Shoarer, W.M. (1958) 585596  
ICLS Symposium on Salmon & Trout,  
no. 1:2 p.

Some notes on the efficiency of two  
types of tag used for tagging sea  
trout kelts in the river Dee,  
Aberdeenshire

Notes on efficiency of red tag & Lea's  
hydrostatic tag.

FiB:efa

MF

Zarnecki, S. (1958) 585594  
ICLS Salmon & Trout Committee, no. 1:2 p.  
Specific growth of Atlantic salmon  
originating in the Vistula (Analyses of  
the scales collected in 1950 and 1951)

A brief report on age & growth of true  
salmon in the river & sea.

FiB:efa

MF

Mills, D.H. (1958) 585597  
ICLS Symposium on Salmon & Trout,  
no. 2:3 p.

Salmon smolt tagging experiments at  
Invergarry salmon hatchery

Reports tests to determine efficiency  
of various types of tags on salmon  
parr.

FiB:efa

MF

Ryhänen, R. (1958) 585595  
ICLS Symposium on Salmon & Trout, 2 p.  
Summary on observations concerning  
the trout in the Isojoki (Finland)

Review of observations on the biology  
& ecology of trout in Isojoki river  
system.

FiB:efa

MF

Carlin, B. (1958) 585598  
ICLS Symposium on Salmon & Trout,  
no. 3:3 p.  
Salmon conservation in the Baltic

Brief review of stocking &  
conservation problems.

FiB:efa

MF

Lindroth, A. (1958) 585599  
ICES Symposium on Salmon & Trout,  
no. 4:1 p.  
Short report on internal tagging of  
salmon parr

Notes on tag, method of insertion &  
recovery. Preliminary results are  
summarized.

FiB:efa

MF

Rudakov, M.P. (1958) 585602  
ICES Symposium on Salmon & Trout,  
no. 7:8 p.  
The use of radioactive calcium (Ca<sup>45</sup>)  
for marking young salmon fish

Account of aquarium investigations on  
Salmo irideus Cribb to define principles  
of accumulation of different doses of  
Ca<sup>45</sup> by fish of different age & weight,  
& to clarify question of Ca<sup>45</sup>  
distribution in fish organs & tissues.

FiB:efa

MF

Lindroth, A. (1958) 585600  
ICES Symposium on Salmon & Trout,  
no. 5:3 p.  
Co-operation in research and management  
of Baltic salmon

Notes on biological & administrative  
problems for conservation of Baltic  
salmon & its exploitation.

FiB:efa

MF

Ewropoizowa, N.W. (1958) 585603  
ICES Symposium on Salmon & Trout,  
no. 8:10 p.

The experimental analysis of the  
salmon's young (Salmo salar L.) in the  
stage of transition to the life mode in  
the sea

Account of observations at Peltshi fish  
farm on exterior peculiarities & colour  
of young of different ages & states;  
growth rates; condition; state of  
sexual glands, thyroid glands & hypo-  
physis; conduct of young; changes in  
chemical composition of body; with  
bibliographic list.

FiB:efa

MF

Ivlev, V.S. & G.G. 585601  
Galkin (1958)  
ICES Symposium on Salmon & Trout,  
no. 6:6 p.

Surviving and growth of Baltic salmon  
of different age in natural conditions

Account of investigations to define  
optimum size of fingerlings reared at  
hatcheries for estimation of survival  
of fry & fingerlings of different sizes  
in typical river conditions.

FiB:efa

MF

Swain, A. (1958) 585604  
ICES Symposium on Salmon & Trout,  
no. 9:5 p.

Tags for salmon and trout and their  
relative effectiveness - The efficiency  
of various types of tags

Contents as per title.

FiB:efa

MF

Lishev, M.N. (1958) 585605  
ICLS Symposium on Salmon & Trout,  
no. 10:5 p.

Some peculiarities of the population dynamics of the salmon stock of the Eastern Baltic

Discusses dynamics of population in Daugawa river with reference to correlation of yield of year classes & regime of river discharge during period of incubation & in first summer of fry.

FiB:efa

MF

Nikolskii, G.V. & 585608  
N.I. Kozhin (1958)  
ICLS Symposium on Salmon & Trout,  
no. 13:4 p.

Some peculiarities of salmon biology which are important in their reproduction

Deals with some ecological problems of river life of Oncorhynchus.

FiB:efa

MF

Lagunov, I.I. & 585606  
V.V. Azbelev (1958)  
ICLS Symposium on Salmon & Trout,  
no. 11:4 p.

On the efficiency of natural propagation in Atlantic salmon (Salmo salar L.)

Contents as per title.

FiB:efa

MF

Kozhin, N.I. & 585609  
A.A. Protasov (1958)  
ICLS Symposium on Salmon & Trout,  
no. 14:4 p.

Freshwater species of salmon and their significance in the genesis of the salmonidae and practical fish culture

Contents as per title.

FiB:efa

MF

Vladimirskaya, M.I. (1958) 585607  
ICLS Symposium on Salmon & Trout,  
no. 12:7 p.

Young red salmon in the upper part of the Potchora river

Account of investigations on the biology & biotope of red salmon. Age composition, sex ratio, growth rate, feeding habitat, & predators are discussed.

FiB:efa

MF

Dahl, J. (1958) 585610  
ICLS Symposium on Salmon & Trout,  
no. 15:5 p.

A review of the types of tags used in Denmark for salmon and sea trout, as shown by the recaptures

Contains summary of experiments to examine, to which degree the recaptures in different experiments can be taken as a measure for suitability of tags concerned.

FiB:efa

MF

Larsen, K. (1958) 585611  
ICES Symposium on Salmon & Trout,  
 no. 16:5 p.  
 The effect of the liberation of sea-  
 trout fry in the Gudena area, as shown  
 by the trout catch in the Lower river  
 and the Randers fjord  
 Contents as per title.

FiB:efa MF

Korringa, P. (1958) 585614  
ICES Shellfish Committee, no. 60:2 p.  
 The Netherlands' shellfish industry  
 and the Delta plan  
 Brief account of present mussel &  
 oyster industry; suggestions for  
 creation of artificial oyster basin &  
 laboratory rearing of oyster larvae.

FiB:efa MF

Montón, E. (1958) 585612  
ICES Symposium on Salmon & Trout,  
 no. 17:3 p.  
 The amplitude of the smolt production  
 of the Swedish State Power Board  
 Notes on present capacity of  
 hatcheries & account of projects for  
 future smolt production of the Board.

FiB:efa MF

Baird, R.H. (1958) 585615  
ICES Shellfish Committee, no. 70:3 p.  
 A preliminary account of a new half  
 square metre bottom sampler  
 Description & dynamics of sampler,  
 sampling  $1/2$  m<sup>2</sup> & capable of operation  
 from boats of 8-10 m length.

FiB:efa MF

Roskam, R.Th. (1958) 585613  
ICES Shellfish Committee, no. 59:1 p.  
 A short note on gaffkaemia in lobsters  
 Notes on epidemiology, therapy &  
 prevention in storage ponds in  
 Netherlands.

FiB:efa M

Gibson, F.A. (1958) 585616  
ICES Shellfish Committee, no. 76:4 p.  
 Progress report of Ireland  
 Account of work carried out on lobster  
 during 1957/58: 1. tagging experiments;  
 2. measurement of lobster catches at  
 various centres; 3. collection of  
 catch/effort statistics & 4. studies  
 of pond storage conditions.

FiB:efa M

Meyer-Waarden, P.F. (1958) 585617  
 ICES Shellfish Committee, no. 105:4 p.  
 The influence of the water temperature  
 on the yields of the shrimp fishery

Contents as per title.

FiB:efa

M

Berthois, L. & R. Brenot (1958) 585620  
 ICES Atlantic Committee, no. 38:3 p.  
 La morphologie sous-marine du talus du  
 plateau continental entre le sud de  
 l'Irlande et le Cap Ortogal (Espagne) -  
 Mise au point des résultats obtenus  
 (Sub-marine morphology of the talus  
 of the continental shelf between the  
 south of Ireland & Cap Ortogal, Spain -  
 Statement on results obtained)

Review of previous investigations;  
 summary of new work; statement on the  
 location of the talus; discussion of  
 the significance of these results.

FiB:glk

M

Reynolds, N. (1958) 585618  
 ICES Shellfish Committee, no. 120:3 p.  
 Further experiments on mussel  
 purification

Reports investigations to determine at  
 what level initial pollution of water  
 becomes limiting factor in  
 purification tanks.

FiB:efa

M

Navaz, J.M. (1958) 585621  
 ICES Atlantic Committee, no. 26:4 p.  
 Poissons rares sur la côte Basque  
 d'Espagne (1946-1957) (Rare fishes  
 of the Basque coast of Spain, 1946-57)

Notes on captures of Potromyzon  
marinus L., Cetorhinus maximus Gunner,  
Scymnorhinus lichia Bonnatorro,  
Oxynotus contrina L., Acipenser sturio  
L., Astronosthus niger Richards,  
Myxophum punctatum Rafinesque, Lamp-  
nyctus elongatus Costa, Cypselurus  
hotorurus Rafinesque, Trachyrhynchus  
trachyrhynchus Risso, Morlangus  
poutassou Risso, Trachipterus iris

Hancock, D.A. & 585619  
 A.E. Urquhart (1958)  
 ICES Shellfish Committee, no. 127:3 p.  
 Methods for marking whelks (Euccinn-  
undatum L.)

Contents as per title.

FiB:efa

M

585621  
 (Card 2)  
Zeus faber L., Macrorhamphosus  
(Cottus) scoticus L., Euthynnus  
melanurus L., Lepidopus  
gobius L., Coryphaena hippurus  
L., Girella punctata Lowe, Belistes  
mediterranea Gmelin & Mola (Ortho-  
riscus) mola L.

FiB:glk

M

Vincent-Cuaz, L. (1958) 585623  
ICCS Atlantic Committee, no. 108:1 p.  
 Contribution à l'étude biométrique de  
 la langouste verte mauritanienne  
Panulirus regius Brit. Cap.  
 (Contribution to the biometrical  
 study of the Mauritanian green lobster  
Panulirus regius Brit. Cap.)

3.400 measurements on 427 individuals  
 captured by net from which average  
 length, sex range & maturity were  
 determined.

FiB:glk

M

Furnestin, J. & al. (1958) 585626  
ICCS Atlantic Committee, no. 128:7 p.  
 Aperçu sur l'écologie des poissons du  
 Maroc atlantique (Sketch of the  
 ecology of the fishes of the Moroccan  
 Atlantic)

Comparison of the Moroccan fauna with  
 that of the Boreal zone, with the  
 tropical fauna & with that of the  
 neighbouring Mediterranean.

FiB:glk

M

Vincent-Cuaz, L. (1958) 585624  
ICCS Atlantic Committee, no. 109:3 p.  
 Contribution à l'étude biométrique de  
 la langouste rose mauritanienne  
Palinurus mauritanicus Gruvel  
 (Contribution to the biometrical  
 study of the Mauritanian red lobster  
Palinurus mauritanicus Gruvel)

4.270 measurements of 612 individuals  
 from which average length & weight &  
 sex ratio were determined.

FiB:glk

M

Leloup, E. (1958) 585627  
ICCS Molluscan & Crustacean Committee,  
 no. 39:3 p.  
 A propos de langoustines (On  
 lobsters)

Weight & value of lobsters landed at  
 Belgian ports. Range & mean value of  
 total length of individuals from  
 various areas, mean size & weight with  
 sexual differences.

FiB:glk

M

Furnestin, M.-L. (1958) 585625  
ICCS Atlantic Committee, no. 124:3 p.  
 Les Méduses de la côte atlantique du  
 Maroc (The Medusae of the  
 Atlantic coast of Morocco)

List of 22 spp., 17 of which are new  
 to Morocco. Discussion of the  
 zoogeographic implications of this  
 material.

FiB:glk

M

Vilola, H. & M.M. 585628  
 Correia Monteiro (1958)  
ICCS Molluscan & Crustacean Committee,  
 no. 86:3 p.  
 L'Ostrea edulis L. au Portugal - Note  
 préliminaire (Ostrea edulis L. in  
 Portugal - Preliminary note)

Notes on abundance of oyster in  
 Portuguese waters earlier this century,  
 on the hydrographic & biological  
 conditions prevailing on oyster bodies  
 in the Ria de Aveiro, & on the  
 occurrence of larvae.

FiB:glk

MF

Vilela, H. & M.M. Corroina Montoro (1958) 585629  
ICES Molluscan & Crustacean Committee,  
no. 87:3 p.

Présence de copépodes chez Mutilus  
edulis L. (Presence of copepods in  
Mutilus edulis L.)

Note on the nature, distribution &  
intensity of parasitism by  
Mytilicola intestinalis.

FiB:glk

M

Taylor, F.H.C. (1958) 585632  
Circ.biol.Sta.Nanaimo, (49):8 p.  
Prospects for the 1958-59 herring  
fishing season

14th in an annual series of circulars  
made to aid in the formation of  
effective management policy & to help  
the industry use the resources more  
effectively. Relative size of catch, &  
of the fish in the catch forecasted.

FAO:glk

M

Kellogg, W.N. (1958) 585630  
Science, 128:982-8  
Echo ranging in the porpoise

Resumé of facts, already established,  
with regard to submarine noises  
produced by Tursiops truncatus Montagu.  
Account of experiments carried out at  
the marine laboratories of Florida  
State University on reactions to  
submerged targets, avoidance of  
obstacles, & discrimination of fish.

FAO:glk

M

Le Danois, Y. (1958) 585633  
C.R.Acad.Sci., Paris, 247:1400-2  
Sur la transformation d'une bouche  
protractile en museau tubulaire suceur  
chez les poissons coralliens et  
littoraux (Transformation of a  
protractile mouth into a tubular  
sucking snout in coralline and  
littoral fishes)

Description of the evolution in  
several stages of the tubular snout  
as the result of osteological  
adaptation of a protractile mouth to  
permit the search for food in rocky  
crevices & the interstices of corals.  
FAO:glk M

Goldberg, E.D. & 585631  
M. Koide (1958)  
Science, 128:1003  
Ionium-thorium chronology in deep-  
sea sediments of the Pacific

Variation in ratio of ionium to  
thorium with depth & the evidence  
it yields on rates of accumulation,  
variation in the ratio also over the  
eastern Pacific Ocean.

FAO:glk

M

Vernet-Cornubert, G. (1958) 585634  
C.R.Acad.Sci., Paris, 247:1402-5  
Note préliminaire sur la régénération  
des pléopodes chez les mâles et les  
femelles de Pachygrapsus marmoratus  
(Fabricius) parasités par Sacculina  
carcini (Thompson) (Preliminary  
note on the regeneration of the ploopods  
of the males and females of Pachygrapsus  
marmoratus Fabricius parasitized by  
Sacculina carcina Thompson)

Experiments with the ablation of the  
ocular peduncle & removal of the  
external Sacculina to test the hypo-  
thesis that characteristics acquired

585634  
(Card 2)

under the influence of the Sacculina  
are definitive & incapable of  
modification even after death of the  
parasito.

FAO:glk

M

Atlantic States Marine 585638  
Fisheries Commission (1958)  
Rep. Atl. St. Mar. Fish. Comm., 16 (Suppl.):  
52 p.  
Important fisheries of the Atlantic  
coast

For each of 30 spp. gives quantity &  
value of catch, with notes on biology  
& economic importance.

FAO:glk

M

New Zealand. Marine 585636  
Department (1958)  
Wellington, 41 p.  
Report on fisheries for 1957

Catch, quantity & value, for  
successive years, landings broken  
down by spp. & by ports, exports &  
imports, notes on special fisheries  
such as whaling, rock oysters &  
toheroa, freshwater fisheries,  
research in both marine & freshwaters,  
membership of the Fishing Industry  
Advisory Council, legislation,  
extensive statistical tables.

WAD:glk

MF

Pacific Marine 585639  
Fisheries Commission (1958)  
Portland, Oregon, 32 p.  
Tenth annual report for the year 1957

10 year review of research on salmon,  
sablefish, otter trawl fishery,  
albacore, shellfish, & pollution, &  
the regulations during the period.  
Account of administrative actions in  
1957, with membership of the  
Commission, its meetings, its actions  
& its research activities in 1957.

WAD:glk

M

Robertson, O.H. (1958) 585637  
Science, 128:1148-9  
Adrenal hypercorticalism in spawning  
Pacific salmon

Abstr. of paper presented at the  
Autumn Meeting, 6-8 November 1958,  
of the National Academy of Sciences,  
University of California, Berkeley.  
Description of the histological changes  
at the time of & immediately following  
spawning, biochemistry of the blood,  
results of induction of the degenerative  
changes characteristic of spawning  
salmon by implantation of hydro-  
cortisone in cholesterol pellets.

FAO:glk

MF

Smith, J.L.B. (1958) 585640  
Ichthyol. Bull., (12):167-81  
Fishes of the families Tetrarogidae,  
Caracanthidae and Synbranchidae, from  
the Western Indian Ocean, with further  
notes on scorpaenid fishes

Keys & descriptive notes.

FAO:glk

M

De Nicola, M. Giudici (1958) 585641  
Ric.sci., 28:2076-83

I carotenoidi nell'integumento degli  
Asteroidei: Astropecton aurantiacus  
(Carotenoids in Asteroid Astropecton  
aurantiacus). En Fr De

The complete distribution & the  
relative amounts of carotenoids were  
determined in the integument of A.  
aurantiacus. 2 new ketocarotenoids are  
described. The possible biosynthetic  
route from  $\beta$ -carotene to astaxanthin  
already proposed, is discussed.

FAO:glk

M

585643  
(Card 2)

in order to ascertain annual  
biochemical variations in these fish  
& the relations between these  
variations & those of environmental  
elements.

FAO:glk

M

Di Lornia, M. (1958) 585642  
Ric.sci., 28:2060-4

Osservazioni sulla utilizzazione dei  
lipidi nello sviluppo embrionale di  
Bufo vulgaris (Observations on the  
utilisation of lipids in the embryonal  
development of Bufo vulgaris).  
En Fr De

Investigations to determine when, in  
amphibian embryonal development, the  
beginning of the utilisation of the  
vitelline lipids for the energetic  
requirements of ontogenesis occurs.

FAO:glk

F

Soudan, F., A. Daknoff 585645  
& C. Bloch (1958)

Rev.Trav.Off.Pêches marit., 22:331-2  
Données sur la composition chimique et  
la valeur alimentaire des poissons  
(Data on the chemical composition and  
the feeding value of Venus verrucosa L.)

Proximate composition of wet & dry  
weight of flesh & contained fluid.

FAO:glk

M

Mainguy, P. & M. Doutre (1958) 585643  
Rev.Trav.Off.Pêches marit., 22:303-21  
Variations annuelles de la teneur en  
matières grasses de trois clupéides du  
Sénégal (Ethmalosa fimbriata Bowdich,  
Sardinella oba C.V., Sardinella aurita  
C.V.) (Annual variations in fat  
substances of the three clupeoides of  
Senegal, Ethmalosa fimbriata Bowdich,  
Sardinella oba C.V., Sardinella aurita  
C.V.)

Preliminary examination to determine  
the number of samples necessary & the  
distribution in time of these samples

Loas, V. (1958) 585646  
Rev.Trav.Off.Pêches marit., 22:333-5  
Plancton et squalos (Plankton and  
sharks)

Notes on plankton found on the gills,  
in the stomach, & in the intestinal  
canal.

FAO:glk

M

Audouin, J. & Cl. 585647  
 Maurin (1958)  
Rev.Trav.Off.Pêches marit., 22:337-43  
 Note sur la présence de poissons du  
 genre Salmo dans le bassin occidental  
 de la Méditerranée (Note on the  
 presence of fish of the genus Salmo  
 in the eastern basin of the  
 Mediterranean)

Notes on captures made of fish of this  
 genus before 1958, on the morphological  
 characteristics of those captured in  
 April & May 1958. Discussion of the spp.  
 of this genus as indicated by the  
 opinions of certain authors & by  
 various means of determination.  
 FAO:glk MF

Anonymous (1958) 585650  
Rev.Trav.Off.Pêches marit., 22:371-5  
Statistiques des régions de pêche 1957  
 (Statistics of fishing regions 1957)

Contents as per title.

FAO:glk

M

Vincent-Guaz, L. (1958) 585648  
Rev.Trav.Off.Pêches marit., 22:345-52  
 La langouste rose de Mauritanie  
Palinurus mauritanicus Gruvel  
 (Palinurus mauritanicus Gruvel)

Account of the gear & fishing grounds  
 environmental conditions & the catches  
 taken.

FAO:glk

M

Jones, S. (Ed.) (1958) 585651  
New Delhi, 125 p.

Fisheries of the west coast of India

A collection of articles. See 585652 to  
 585665.

GLK:glk

Le Dantec, J., L. Martoil 585649  
 & P. Trochon (1958)  
Rev.Trav.Off.Pêches marit., 22:353-68  
 Le dragage des huîtres portugaises  
 en Gironde (Dredging of Portuguese  
 oysters in Gironde)

Fishing conditions incl. grounds,  
 hydrology gear & methods. Yield from  
 the fishery in terms of total volume,  
 probable number, stock composition &  
 quantity of the oysters. Proposals for  
 rational exploitation.

FAO:glk

MF

Panikkar, N.K. (1958) 585652  
In "Fisheries of the West Coast of  
 India", by Jones, S. (Ed.), 1958, New  
 Delhi, 1-7  
 Indian fisheries - An overall view

General notes on marine & inland  
 fisheries & on governmental activities  
 directed towards their improvement.

GLK:glk

MF

Jones, S. (1958) 585653  
In "Fisheries of the West Coast of India", by Jones, S. (Ed.), 1958, New Delhi, 8-17  
Progress of marine fisheries research

History of fisheries research in India. Description of the development of the station at Mandapam & account of current research in biology, fisheries, oceanography & technology.

GLK:glk

M

Nair, R. Velappan (1958) 585656  
In "Fisheries of the West Coast of India," by Jones, S. (Ed.), 1958, New Delhi, 31-7  
The sardines

Notes on the fisheries for Sardinella longiceps, S. fimbriata, S. gibbosa & S. albella & other spp. with special reference to fluctuations in landings.

GLK:glk

M

Bhimachar, B.S. (1958) 585654  
In "Fisheries of the West Coast of India," by Jones, S. (Ed.), 1958, New Delhi, 18-22  
Recent advances in inland fisheries research

Account of current research program in pond culture, & biology of riverine, lacustrine & estuarine fishes.

GLK:glk

M

Pradhan, L.B. & K. Virabhadra Rao (1958) 585657  
In "Fisheries of the West Coast of India", by Jones, S. (Ed.), 1958, New Delhi, 38-44  
The mackerel

Notes on biology of Rastrelliger canagurta, R. neglectus & R. brachysoma. The landings & the gear used.

GLK:glk

M

Prasad, R. Raghu (1958) 585655  
In "Fisheries of the West Coast of India", by Jones, S. (Ed.), 1958, New Delhi, 23-30  
The Arabian Sea - Marine biology of the west coast

Notes on littoral & deep sea fauna, plankton & nekton, bacteria & algae, & oceanography.

GLK:glk

M

Menon, M. Krishna (1958) 585658  
In "Fisheries of the West Coast of India", by Jones, S. (Ed.), 1958, New Delhi, 45-50  
Prawn fisheries

Fishing grounds & methods for the capture of Penaeus carinatus, P. indicus, Metapenaeus monoceros, M. debsoni, M. brevicornis, Parapenaeus stylifera. Processing & marketing, biology & research.

GLK:glk

M

George, P.C. (1958) 585659  
In "Fisheries of the West Coast of  
India", by Jones, S. (Ed.), 1958, New  
Delhi, 51-4  
Sole fisheries

Notes on the commercial fishery for  
Cynoglossus semifasciatus Day, C.  
dubius, C. puncticeps, C. lida, C.  
bilineatus, & on the biology of these.

GLK:glk

M

Banerji, S.K. (1958) 585662  
In "Fisheries of the West Coast of  
India", by Jones, S. (Ed.), 1958, New  
Delhi, 68-73  
Fishery survey and statistics

Discussion of the uses to which  
statistics can be put in the fishery  
programme; methods, their collection,  
& results of estimation of production  
& effort by sampling techniques.

GLK:glk

MF

Rao, K. Virabhadra (1958) 585660  
In "Fisheries of the West Coast of  
India", by Jones, S. (Ed.), 1958, New  
Delhi, 55-9  
Molluscan fisheries

The spp. exploited & the grounds on  
which they are found.

GLK:glk

M

Thivy, F. (1958) 585663  
In "Fisheries of the West Coast of  
India", by Jones, S. (Ed.), 1958, New  
Delhi, 74-80  
Economic seaweeds

List of spp. available & their  
distribution. Account of the manufacture  
& use of agar & other weed products.

GLK:glk

M

Seshappa, G. (1958) 585661  
In "Fisheries of the West Coast of  
India", by Jones, S. (Ed.), 1958, New  
Delhi, 60-7  
Offshore fisheries

Notes on exploratory surveys of  
fishing grounds off India, &  
statistics of catches.

GLK:glk

M

Tampi, P.R. Sadasivan (1958) 585664  
In "Fisheries of the West Coast of  
India", by Jones, S. (Ed.), 1958, New  
Delhi, 81-6  
Marine fish farming

Notes on brackish & marine pond-culture.

GLK:glk

MF

Chidambaram, K. (1958) 585665  
In "Fisheries of the West Coast of  
India", by Jones, S. (Ed.), 1958, New  
Delhi, 112-4  
Deep sea fishing

Notes on the history of the  
development of deep sea fishing in  
India.

GLK:glk

M

technique for lake management &  
in studies of lake dynamics is  
suggested.

585667  
(Card 2)

FAO:glk

F

Bodonheimer, F.S. (1958) 585666  
The Hague, Netherlands, 276 p.  
Animal ecology to-day

Volume VI of Monographiae Biologicae.

Nicol, J.A.C. (1958) 585669  
J.Mar.biol.Ass.U.K., 37:535-49  
Observations on luminescence in  
Noctiluca

The luminescent flashes of Noctiluca  
miliaris were recorded by means of a  
blue-sensitive photomultiplier,  
following mechanical & electrical  
stimulation. The relative spectral  
composition of the light was determined  
by means of glass & gelatine filters.

GLK:glk

M

Schmitz, W.R. & 585667  
A.D. Hasler (1958)  
Science, 128:1088-9  
Artificially induced circulation of  
lakes by means of compressed air

Turbulence induced by air bubbles  
causes circulation in small thermally  
stratified lakes. Tests were made  
under summer & winter - ice-cover -  
conditions. Homiothermal conditions,  
isometric concentrations of phosphorus,  
& increases of dissolved oxygen were  
achieved, at various rates of  
treatment. The application of the

Nicol, J.A.C. (1958) 585670  
J.Mar.biol.Ass.U.K., 37:551-63  
Observations on the luminescence of  
Pennatula phosphorea, with a note on  
the luminescence of Virgularia mirabilis

The luminescent responses of these spp.  
were investigated by means of photo-  
electric recording. Presence of  
facilitation was examined & data are  
given for latency & flash duration.

GLK:glk

M

Hancock, D.A. (1958) 585671  
J.Mar.biol.Ass.U.K., 37:565-89  
Notes on starfish on an Essex oyster  
bed

Observations on the distribution of  
Asterias rubens L. & Solaster papposus  
L.; distribution & settling of young  
starfish; experiments on feeding  
habits; measurement of growth.

GLK:glk

M

Culkin, P. & 585674  
J.P. Riley (1958)  
J.Mar.biol.Ass.U.K., 37:607-15  
The occurrence of gallium in marine  
organisms

A spectrophotometric method has been  
developed for the determination of  
submicrogram amounts of gallium in  
biological materials. Using this  
procedure a study has been made of the  
occurrence of gallium in a number of  
marine plants & animals - dried at  
110°C. Data are also presented for the  
concentrations of iron, aluminium &  
copper in the same samples.

GLK:glk

M

Walne, P.R. (1958) 585672  
J.Mar.biol.Ass.U.K., 37:591-602  
Growth of oysters (Ostrea edulis L.)

Description of the Tal-y-foel oystering  
with regard to mean monthly water  
temperature, tidal exposure & salinity.  
Growth was determined by length  
measurements & weighing & related to  
environmental conditions. Comparison  
between age groups was made.

GLK:glk

M

Wilson, D.P. (1958) 585675  
J.Mar.biol.Ass.U.K., 37:617-26  
The polychaete Magelona alleni n. sp.  
and a re-assessment of Magelona cincta  
Ehlers

A Magelona, common at Plymouth &  
previously provisionally identified  
as M. cincta Ehlers, is described as  
a new sp. & given the specific name  
of alleni. M. cincta Ehlers is  
partially re-described from South  
African specimens & from the type  
specimen.

GLK:glk

M

Thomas, H.J. (1958) 585673  
J.Mar.biol.Ass.U.K., 37:603-6  
Observations on the increase in size  
at moulting in the lobster (Homarus  
vulgaris M.-Edw.)

Percentage increase in carapace length  
was measured & the rate of moulting  
increase in carapace length was  
determined for both males & females.

GLK:glk

M

Southward, D.C. & 585676  
A.J. Southward (1958)  
J.Mar.biol.Ass.U.K., 37:627-32  
On some pogonophora from the North-  
east Atlantic, including two new  
species

3 spp. of pogonophora are recorded  
from the Atlantic at depths of 710 up  
to 340 fm. They belong to the genus  
Siboglinum, 2 of them being new spp.,  
S. atlanticum & S. inermis, which are  
here described. The third is S. elmani  
Jägersten.

GLK:glk

M

Southward, A.J., L.C. 585677

Southward & L.H.N. Cooper (1958)

J.Mar.biol.Ass.U.K., 37:633-47

On the occurrence and behaviour of two little-known barnacles, Hexelasma hirsutum and Verruca recta, from the continental slope

Certain external & internal features of these spp., the 1st from 500-1000 fm, the 2nd from 200-400 fm, are described, & their systematic status redefined. Their behaviour in the laboratory has been studied with reference to indications of water movement in their natural habitat,

Mason, J. (1958)

585680

J.Mar.biol.Ass.U.K., 37:653-71

The breeding of the scallop, Pecten maximus (L.), in Manx waters

Structure of the gonad is described; breeding cycle; spawning & fertilization are also described & an account given of numbers of larvae & spat encountered.

GLK:glk

M

585677  
(Card 2)

the significance of which is discussed.

GLK:glk

M

Daisley, K.W. (1958)

585681

J.Mar.biol.Ass.U.K., 37:673-81

A method for the measurement of vitamin B<sub>12</sub> concentration in sea water

Describes a sensitive method for microbiological assay using freshwater flagellate Euglena gracilis strain z.

GLK:glk

M

Millar, R.H. (1958)

585679

J.Mar.biol.Ass.U.K., 37:649-52

The breeding season of some littoral ascidians in Scottish waters

The breeding season is given of a number of ascidian spp. on the Scottish west coast. The spp. can be divided into north boreo-arctic, south boreo-arctic, & boreal spp., & each of these groups has a characteristic duration & time of breeding season.

GLK:glk

M

Daisley, K.W. &

585682

L.R. Fishor (1958)

J.Mar.biol.Ass.U.K., 37:683-6

Vertical distribution of vitamin B<sub>12</sub> in the sea

Sea-water samples were taken from various depths in the Bay of Biscay in May & June of 1956 & 1957. Variation in vitamin B<sub>12</sub> concentration in the region samples is indicated.

GLK:glk

M

Burrows, E.M. (1958) 585683  
J.Mar.biol.Ass.U.K., 37:687-703  
Sublittoral algal population in Port  
Erin Bay, Isle of Man

A combination of dredge, grab & diving techniques was used in examination of 2 distinct populations, one attached to the rock surface on the sides of the Bay & the other more or less loose-lying on its sandy floor. Culture experiments combined with field observations at different times of the year were used to determine the overwintering methods of some of the

Donton, E.J. & 585686  
N.B. Marshall (1958)  
J.Mar.biol.Ass.U.K., 37:753-67  
The buoyancy of bathypelagic fishes without a gas-filled swimbladder

Experimental determination of the buoyancy of Gonostoma elongatum & Xenodermichthys copei. Radiographic examination of the skeletons & chemical analyses of the body as an approach to examination of the basis to buoyancy. Discussion of the general biological considerations.

GLK:glk

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585683  
(Card 2)  
individual spp. of the loose-lying population.

GLK:glk

M

Kain, J.M. (1958) 585687  
J.Mar.biol.Ass.U.K., 37:769-80  
Observations on the littoral algae of the Isle of Wight

Report of general survey & of transect & quadrat studies from which variations in coverage & vertical distribution were examined.

GLK:glk

M

Nicol, J.A.C. (1958) 585685  
J.Mar.biol.Ass.U.K., 37:705-52  
Observations on luminescence in pelagic animals

Miscellaneous observations were made on a wide range of these animals. Maxima of approximate spectral emission curves were determined. Intensity of luminescence of various spp. was measured. Estimates are presented of the distances at which animal luminescence could be perceived in sea water by animals having photo-receptors as sensitive as the human eye.  
GLK:glk M

Kain, J.M. & 585688  
G.E. Fogg (1958)  
J.Mar.biol.Ass.U.K., 37:781-8  
Studies on the growth of marine phytoplankton. II. Isochrysis galbana Parke

The flagellate Isochrysis galbana has been grown in unialgal culture under controlled conditions & its growth has been measured by means of optical density determinations & cell counts.

GLK:glk

M

Needler, M. & 585689  
D.M. Ross (1958)  
J.Mar.biol.Ass.U.K., 37:789-805  
Neuromuscular activity in sea anemone  
Calliactis parasitica (Cough)

Features in the behaviour of the sea anemone, Calliactis parasitica, as seen in visual, photographic & kymograph records, are described.

GLK:glk

M

Kahn, R.A. (1958) 585692  
Proc.Gulf Caribb.Fish.Inst., (10):8-12  
Progress in fishery economics in the  
Gulf and Caribbean area, 1948-1957

General discussion of changes in gross income from catch per fisherman, in landings & trade, & prospective changes in the economic situation.

GLK:glk

M

Anonymous (1958) 585690  
J.Mar.biol.Ass.U.K., 37:811-37  
Marine Biological Association of the  
United Kingdom - Report of the Council  
for 1957-58

Administrative report of the laboratory, with an account of the scientific work done by the laboratory's own staff on sea water & plankton, macro-flora & fauna, & the physiology of marine organisms; list of published memoirs, accounts & membership of the Association.

GLK:glk

M

Idyll, C.P. (1958) 585693  
Proc.Gulf Caribb.Fish.Inst., (10):12-6  
Progress in fisheries education in the  
Gulf and Caribbean area, 1948-1957

Review of institutional provision for training in marine biology, oceanography & fisheries for fishermen & at secondary school & university levels.

GLK:glk

M

Strasburger, L.W. (1958) 585691  
Proc.Gulf Caribb.Fish.Inst., (10):6-8  
Progress in fisheries technology in the  
Gulf and Caribbean area, 1948-1957

General account of developments in fishing, processing & marketing, such as mechanization of gear, use of underwater television & photography, use of electronic devices for fish-finding & navigation, synthetic fibres, inboard refrigeration, use of chemicals & antibiotics, & mechanization of processing plants.

GLK:glk

M

Galtsoff, P.S. (1958) 585694  
Proc.Gulf Caribb.Fish.Inst., (10):16-21  
A decade of progress in fishery biology  
of the Gulf and Caribbean area

General review of research in this area in the location of fish, in taxonomy, in distribution, ecology & biology of various spp., in plankton, in the study of the red tide & in other problems.

GLK:glk

M

Lindner, M.J. (1958) 585695  
Proc.Gulf Caribb.Fish.Inst., (10):28-33  
The shrimp resources of continental  
Latin America

Notes on the spp. caught, location of  
grounds, fishing methods, season &  
catch for the countries of Central &  
Southern Latin America.

GLK:glk

M

Iverson, E.S., C.P. 585698  
Idyll & A. Volpo (1958)  
Proc.Gulf Caribb.Fish.Inst., (10):42  
Research on the biology of the  
Tortugas shrimp

Abstr. only. Interim report on the  
programme of biological research on  
this fishery dealing with analysis of  
historical records of dealers selling  
large shrimp & describing a programme  
of tagging using Poterson tags.

GLK:glk

M

Nisenmann, R. (1958) 585696  
Proc.Gulf Caribb.Fish.Inst., (10):34-6  
The shrimp industry of Panama

Spp. caught, location of grounds, & the  
hydrography thereof, meteorology,  
size & characteristics of boats,  
inboard handling of catch, shore  
facilities.

GLK:glk

M

Rounsolfell, G.A. (1958) 585699  
Proc.Gulf Caribb.Fish.Inst., (10):43-4  
Shrimp research by the U.S. Fish and  
Wildlife Service

Brief report of laboratory & field  
studies relating to growth, reaction  
of shrimp to light gradients,  
temperature tolerance, migrations  
& ecological aspects.

GLK:glk

M

Stern, J.A. (1958) 585697  
Proc.Gulf Caribb.Fish.Inst., (10):37-42  
The new shrimp industry of Washington

History of the development of this  
industry, craft used, inboard & shore  
handling of catch, spp. caught,  
location of grounds, regulation of  
fishing.

GLK:glk

M

Lunz, G.R. (1958) 585700  
Proc.Gulf Caribb.Fish.Inst., (10):44-8  
Pond cultivation of shrimp in South  
Carolina

Summary of experience at Bears Bluff  
Laboratories with regard to  
production, stocking required,  
measures needed for control of  
predaceous fishes & the input/output  
ratio.

GLK:glk

M

Kesteven, G.L. & T.J. Job (1958) 585701  
Proc.Gulf Caribb.Fish.Inst., (10):49-68  
Shrimp culture in Asia and the Far East: a preliminary review

Identity, habitat & bionomics of spp. cultivated, extent & ecology of the natural habitat, size, layout & ecology of shrimp farms, farming techniques & general observations on productivity.

GLK:glk

M

Rae, K.M. (1958) 585704  
Proc.Gulf Caribb.Fish.Inst., (10):105-7  
Plankton and fisheries in the Gulf of Mexico

Discussion of the need for further widespread surveys of plankton in the offshore waters in the Gulf of Mexico & the preparation of regular synoptic charts of plankton distributions with indication of the scope of work required for these purposes.

GLK:glk

M

Downes, K. (1958) 585702  
Proc.Gulf Caribb.Fish.Inst., (10):98-100  
Program for crab research on the Atlantic coast

Review of established knowledge of the life history of the spp. & account of plans for an investigation comprising laboratory studies of environmental factors & their effect on the survival & growth of larval stages.

GLK:glk

M

Koczy, F. & C.P.Idyll (1958) 585705  
Proc.Gulf Caribb.Fish.Inst., (10) 107-12  
Oceanography and fisheries

Examples of the relations between fish stocks & their environment to disclose the part that should be played by oceanography in the scientific study of fishery problems.

GLK:glk

M

McEroom, J.T. (1958) 585703  
Proc.Gulf Caribb.Fish.Inst., (10) 100-5  
The role of river basin studies in the conservation of fishery resources

Account of the activities of the branch of river basins of the Bureau of Sport Fisheries & Wildlife in the U.S. Fish & Wildlife Service.

GLK:glk

F

Clark, J.R. (1958) 585706  
Proc.Gulf Caribb.Fish.Inst., (10) 113-8  
Size selection of fish by otter trawls

Definition of the selection factor, account of recent international work on selectivity, especially of the Joint ICNAF/ICES/FAO met in Lisbon 1957 & discussion of the methods of investigation.

GLK:glk

M

Seymour, A.H. (1958) 585707  
Proc.Gulf Caribb.Fish.Inst., (10):118-25  
The use of radioisotopes as a tag for fish

Discussion of the manipulative techniques to be employed in the use of radio-isotopes as tags, the hazards involved, the selection of an isotope, & the costs & practicability of the method.

GLK:glk

M

Feliciano, C. (1958) 585710  
Proc.Gulf Caribb.Fish.Inst., (10):147-56  
The lobster fishery of Puerto Rico

Description of the fishery for Panulirus argus Latreille; production statistics & catch per unit effort; resumé of biology; account of regulations.

GLK:glk

M

Bardach, J.E. (1958) 585708  
Proc.Gulf Caribb.Fish.Inst., (10):132-8  
Marine fisheries and fish culture in the Caribbean

General discussion of the marine & cultivable resources, their exploitation & the industries involved.

GLK:glk

MF

Ferreira, H. (1958) 585711  
Proc.Gulf Caribb.Fish.Inst., (10):156-61  
Historical and economic aspects of the shark fishery of the Pacific coast of Mexico

History of the development of this industry, marketing of its products, craft & gear used, common names of the spp. caught, products obtained.

GLK:glk

M

Whiteleather, R.T. & J.B. Higman (1958) 585709  
Proc.Gulf Caribb.Fish.Inst., (10):143-7  
Weather and Caribbean fisheries development

General account of Caribbean weather & its influence on fishing operations & the handling of fish.

GLK:glk

M

Ganapati, P.N. & M.V. Lakshmana Rao (1958) 585712  
Curr.Sci., 27:396-7  
The occurrence of Scyphistoma larvae in Visakhapatnam harbour

Description of the specimens found.

FAO:glk

M

Hubbs, C.L. (1958) 585713  
Copeia, (3):161-70  
Ogcocephalus darwini, a new batfish  
endemic at the Galápagos Islands

Relationships of the new sp., data on  
type specimens, range & habitat,  
methods of counting & measuring,  
detailed description.

FAO:glk

M

Aron, W. & 585716  
P. McGrery (1958)  
Copeia, (3):180-3  
A description of a new species of  
stomiid from the North Pacific Ocean

Counts, measurements & ill. of  
Bathophilus flemingi, sp. nov., with  
comparison of this new sp. with other  
spp. in the genus.

FAO:glk

M

Skud, B.L. (1958) 585714  
Copeia, (3):170-6  
Relation of adult pink salmon size to  
time of migration and freshwater  
survival

Analysis of size of pink salmon at  
maturity, relation of size to timing  
of run, & of timing to survival of the  
progeny in freshwater, with  
examination of the effect of  
climatological factors during the  
incubation period.

FAO:glk

MF

Volpe, J.P. & 585717  
S.M. Harvey (1958)  
Copeia, (3):197-207  
Hybridization and larval development  
in Rana palmipes Spix

Account of laboratory hybridizations  
of this sp. with Rana macroglossa, R.  
clamitans & R. pipiens. Description of  
the larvae of some of the spp. &  
comparisons.

FAO:glk

F

Smith, C.L. (1958) 585715  
Copeia, (3):176-80  
Additional Pleistocene fishes from  
Kansas and Oklahoma

Description of the fossil material  
with regard to evidence on distribution  
& of the nature of the sites in which  
the fish had lived.

FAO:glk

F

Anderson, P.K. (1958) 585718  
Copeia, (3):211-5  
The photic responses and water-  
approach behaviour of hatchling turtles

Observations on Trionyx muticus,  
Graptomys pulchra, & G. oculifera in  
analysis of diurnal response & water-  
approach behaviour.

FAO:glk

M

Getz, L.L. (1958) 585719  
Copeia, (3):219  
The winter activities of Rana clamitans  
tadpoles

Notes on swimming & feeding.

FAO:glk

F

Cohen, N.W. & 585722  
W.E. Howard (1958)  
Copeia, (3):223-5  
Bullfrog food and growth at the San  
Joaquin Experimental Range, California

Notes on stomach content & graphical  
presentation of data on relation  
between snout-vent length & hind-foot  
length with weight, & between these  
2 lengths.

FAO:glk

F

Houck, W.J. (1958) 585720  
Copeia, (3):219-20  
A northern record for the Pacific  
ridley, Lepidochelys olivacea

Notice of capture of the specimen.

FAO:glk

M

Reid, G.K. & 585723  
H.D. Hoese (1958)  
Copeia, (3):225-31  
Size distribution of fishes in a  
Texas estuary

Comparison of the size composition of  
catches of Micropogon undulatus & of  
Leiostomus xanthurus at different  
localities on the estuary of East Bay,  
Galveston, & discussion of the role of  
salinity & food supply as determinants  
of these distributions.

FAO:glk

MF

Ray, C. & C.W. Coates (1958) 585721  
Copeia, (3):220-1  
Record and measurements of a leather-  
back turtle from the Gulf of Maine

Measurements, account of autopsy, &  
notes on feeding.

FAO:glk

M

Scattergood, L.W. (1958) 585724  
Copeia, (3):231  
Western North Atlantic records of  
Beryx splendens Lowe and B. decadactylus  
Cuvier and Valenciennes

Contents as per title.

FAO:glk

M

Barlow, G.W. (1958) 585725  
Copeia, (3):231-2  
High salinity mortality of desert  
pupfish, Cyprinodon macularius

Account of observations of the  
mortality of this sp. together with  
temperature & salinity data with a  
view to ascertaining lethal limits of  
temperature & salinity.

FAO:glk

M

Hartman, G.F. (1958) 585728  
Copeia, (3):233-4  
Mouth size and food size in young  
rainbow trout, Salmo gairdneri

Accounts of experiments in which food  
organisms of various size ranges were  
fed to fish retained in special troughs  
& measurements of the relation of mouth  
width to maximum width of organisms  
eaten or rejected.

FAO:glk

F

Jopson, H.G.M. (1958) 585726  
Copeia, (3):232  
A concentration of the ratfish,  
Hydrolagus colliel Cape Arago, Oregon

Contents as per title.

FAO:glk

M

Moulton, J.M. (1958) 585729  
Copeia, (3):234-5  
A summer silence of sea robins,  
Prionotus spp.

Account of occupation of listening  
stations & discussion of the probability  
that absence of calls was due to  
scarcity of fish.

FAO:glk

M

Maxfield, G.H. (1958) 585727  
Copeia, (3):232-3  
Record of a hatchery-reared rainbow  
trout, Salmo gairdneri gairdneri, with  
three pelvic fins

Contents as per title.

FAO:glk

F

Ray, C. & C.W. Coates (1958) 585730  
Copeia, (3):235  
A case of poisoning by the lion fish,  
Pterois volitans

Account of a case of poisoning that  
occurred in the New York aquarium.

FAO:glk

F

Millon, R.R. (1958) 585731  
Copeia, (3):235-7  
A Panamanian gobiid fish, Microgobius  
miraflorensis, from western Mexico,  
with taxonomic and ecologic notes

Description with notes on habitat.

FAO:glk

M

Bonson, N.G. (1958) 585734  
Copeia, (3):239-40  
Hermaphroditism in the cutthroat  
trout

Contents as per title.

FAO:glk

F

Mather III, F.J. & 585732  
R.H. Gibbs, Jr. (1958)  
Copeia, (3):237-9  
Distribution of the Atlantic bigeye  
tuna, Thunnus obesus, in the western  
North Atlantic and the Caribbean Sea

Tabulation of records & discussion of  
distribution.

FAO:glk

M

Chalazonitis, N. & 585735  
E. Sugaya (1958)  
C.R.Acad.Sci., Paris, 247:1657-9  
Stimulation-inhibition des neurones  
géants identifiables d'Aplysia, par  
l'anhydride carbonique (Stimulation-  
inhibition of identifiable giant  
neurones of Aplysia by carbon dioxide)

Measurement of the frequency of action  
potentials & the periodicity of  
aperiodicity of its evolution according  
to the type of neurone examined.

FAO:glk

M

Hubbs, C. (1958) 585733  
Copeia, (3):239  
Gambusia senilis from the Devil's river,  
Texas, an addition to the fish fauna of  
the United States

Notes on localities of capture,  
description of specimens & discussion  
of origin.

FAO:glk

F

Catala-Stucki, R. (1958) 585736  
C.R.Acad.Sci., Paris, 247:1678-9  
Effets de fluorescence provoquée sur  
les coraux par l'action des rayons  
ultraviolets (Effect of fluorescence  
induced in corals by the action of  
ultraviolet rays)

Experimental observation of the  
fluorescent reaction of various spp.,  
& variation of this reaction in colour  
& according to the vitality of the  
specimens.

FAO:glk

M

Bassot, J.-M. (1958) 585737  
C.R.Acad.Sci., Paris, 247:1909-11  
 Caractères histo-chimiques des cellules  
 glandulaires dans les organes lumineux  
 du téléostéen Maurolicus pennanti  
 Walbaum (Histo-chemical characters  
 of the glandular cells of the luminous  
 organs of the teleostean Maurolicus  
pennanti Walbaum)

Identification of cell types according  
 to secretory products.

FAO:glk

M

Wintermans, J.F.G.M. (1958) 585740  
Acta bot.neerl., 7:489-502  
 Some observations on phosphate  
 metabolism in the induction phase of  
 photosynthesis in Chlorolla

Determination of the rate of phospho-  
 rylation under various conditions of  
 illumination.

FAO:glk

F

Groom, A. (Comp.) (1958) 585738  
Discovery, 19:519-21  
 The International Geophysical Year -  
 Month by month

Note on IGY polar front survey to map  
 exhaustively the profile of waters  
 meeting & mixing in the Atlantic.

FAO:glk

M

Bombay State. Department 585741  
 of Fisheries (1958)  
Nagpur, 103 p.  
 Annual report for the year 1956-57

Report of fisheries & governmental  
 activities in old Bombay region,  
 Saurashtra, Kutch, Vidarbha, Marathwara,  
 incl.: financial assistance, landing,  
 navigation & harbour facilities,  
 refrigeration, transport & marketing,  
 research, education & socio-economic  
 work. As appropriate, deals also with  
 freshwater fisheries.

GLK:glk

MF

Carruthers, J.N. (1958) 585739  
Discovery, 19:522  
 Living resources of the sea  
 Review of 582527.

FAO:glk

M

Northcote, D.H., K.J. 585742  
 Goulding & R.W. Horne (1958)  
Biochem.J., 70:391-7  
 The chemical composition and structure  
 of the cell wall of Chlorolla  
pyrenoidosa

A cell-wall fraction of Chlorolla  
pyrenoidosa was isolated after  
 disintegration of the whole cells in a  
 Micklo cell disintegrator followed by  
 differential centrifuging. Dimensions of  
 the wall were determined & quantitative  
 chemical analysis was made. Its  
 structure was studied by electronic  
 microscope.

FAO:glk

F

Willson, F.M.G. (1957) 585743  
Fish.Stud.F.A.O., (5):127 p.  
 Governmental services to the sea-fish  
 industry of Great Britain

Pt. I. describes character & structure  
 of industry & the governmental  
 organization for dealing with it &  
 discussion of recent growth of  
 governmental intervention. Pt. II deals  
 with care of fisheries & ill. of  
 fishing, ports, harbours & dock labour,  
 fishing vessels, fishermen, order &  
 safety on the fishing ground, marketing  
 & distribution, fisheries intelligence  
 & research.

FiB:glk

M

Kuroda, N. (1958) 585746  
Jap.J.Ichthyol., 7(1) 25-31  
 (On the life colors of some fishes. VII)  
 Ni En

The part 7 of this series contains  
 descriptions of life colors of the  
 spp. nos. 97-111, with some notes on  
 the fishes - several spp. of  
 Carangidae, Leiognathidae, Oplegna-  
 thidae, Mullidae, Cepolidae & Branchio-  
 stegidae - found in Suruga Bay, Japan.

GLK:glk

M

Abe, T. & Y. Takashima (1958) 585744  
Jap.J.Ichthyol., 7(1):1-11  
 Differences in the number and position  
 of two kinds of fin-supports of the  
 spinous dorsal in the Japanese  
 mackerels of the genus Pneumatophorus.  
 Ni

Comparison of proximal segments of the  
 radials, or interneurals, of the  
 spinous dorsal fin & of the middle  
 segments of these radials, with an  
 appendix giving hints for  
 discrimination of the 2 forms at sea.

GLK:glk

M

Tchang, S., T. Chung-yen 585747  
 & L. Kié-min (1958)  
Acta zool.sinica, 10:242-57  
 (Research on the Teredo of the south  
 coast of China. I.). Ch Fr

Notes on the habitat & morphology of  
Bankia (Bankiella) saulii Wright,  
B. (B.) campanellata Moll & Roch, &  
Teredo (Teredo) navalia L.

FAO:glk

M

Yonezawa, K. (1958) 585745  
Jap.J.Ichthyol., 7(1):19-23  
 A study on the three forms of  
Sarcocheilichthys variegatus in lake  
 Biwa

Comparison of morphological features &  
 of morphometric characteristics. These  
 characteristics are considered  
 ecologically.

GLK:glk

F

Chen, Y. & Y. 585748  
 Cheng-chang (1958)  
Acta zool.sinica, 10:265-78  
 (Notes on some Gephyrea of China with  
 description of four new species).  
 Ch En

Systematic account of Sipunculus nudus  
 Linnaeus, Physcosoma esculenta sp. nov.,  
P. similis sp. nov., Urechis uncinatus  
 von Drasche, Listriolobus brevirostris  
 sp. nov., & Arynchite rugosum sp. nov.

FAO:glk

M

Ping, C., S. Pao & H. Y. Yang (1958) 585749  
Acta zool. sinica, 10:289-315  
 (The skeletal musculature of the carp  
 (Cyprinus carpio)). Ch En

Description of the head, trunk &  
 appendicular muscles, with free  
 classification of these muscles.

FAO: glk

F

Abbott, B.C. & J. Lowy (1958) 585752  
J. Physiol., 141:385-97  
 Contraction in molluscan smooth  
 muscle

Account of studies on mechanical &  
 thermal events during activity of  
 long-fibred smooth molluscan muscle.

ofa

MF

Chui, Y.T. & W.L. Cheng (1958) 585750  
Acta zool. sinica, 10:316-21  
 (Description of two new species of  
 carangoid fishes from the south sea of  
 China). Ch En

Description of Caranx (Atule)  
pectoralis, & Chorinemus hainanensis.

FAO: glk

M

Abbott, B.C. & J. Lowy (1958) 585753  
J. Physiol., 141:398-407  
 Mechanical properties of Holix and  
Mytilus muscle

Accounts of experiments with smooth  
 muscle preparations from Holix &  
Mytilus. Maximum isometric tension,  
 relaxation & stress relaxation  
 processes are discussed.

ofa

MF

Kang-nan, W. (1958) 585751  
Acta zool. sinica, 10:322-35  
 (Preliminary studies on four species of  
Argulus parasitic on fresh-water fishes  
 taken from the area between Nanking and  
 Shanghai, with notes on the early larval  
 development of Argulus chinensis).  
 Ch En

Description of Argulus japonicus, A.  
coregoni, & A. yui.

FAO: glk

F

Robson, E. (1957) 585754  
Quart. J. micr. Sci., 98:265-78  
 The structure and hydromechanics of the  
 musculo-epithelium in Metridium

Description of structure of musculo-  
 epithelial cells in mesenteries &  
 hydrostatic action of subepithelial  
 fluid in Metridium sonilo. Analogous  
 systems occurring in higher animals  
 discussed.

: ofa

M

Sutton, M.F. (1957) 585755  
Proc. Zool. Soc. Lond., 129(4):487-523  
 The feeding mechanism, functional morphology and histology of the alimentary canal of Torobella lapidaria L. (Polychaeta)

Description of feeding mechanism, complex musculature of lower lip, & detailed structure of alimentary canal. An account of complex type of mucous secretion involving glandular epithelium & adjacent glandular tissue is given. Possible course of evolution of arthropod alimentary canal from that of a polychaete ancestor is discussed.  
 ofa M

Wisoly, B. (1958) 585758  
Aust. J. Mar. Freshw. Res., 9:351-61  
 The development and settling of a serpulid worm, Hydroides norvegica Gunnor (Polychaeta)

Account of laboratory observations on the development, settling & metamorphosis of this sp. from Sydney harbour, Australia.

HR:ofa

M

Australia Commonwealth Scientific & 585756  
 Industrial Research Organization (1957)  
Canberra, Australia, 179 p.  
 Ninth annual report for the year 1956-57

Chapter XII contains an account of the work of the Organization's Division of Fisheries & Oceanography in fisheries biology, ichthyology, hydrology, physical oceanography, productivity, planktology, microbiology, marine fouling & other fields, with account of the operations of its research vessels.

FiB:glk

MF

Wisoly, B. (1958) 585759  
Aust. J. Mar. Freshw. Res., 9:362-71  
 The settling and some experimental reactions of a bryozoan larva, Watersipora cucullata (Busk)

Description of external anatomy & behaviour of the pelagic, crawling, & settling stages of this sp., collected at Port Hacking & Port Jackson, Australia.

HR:ofa

M

Nicholls, A.G. (1958) 585757  
Aust. J. Mar. Freshw. Res., 9:319-50  
 The population of a trout stream and the survival of released fish

Account of Salmo trutta L. tagging in North Esk system, Tasmania, & relations such fish bore to natural population when selected stream was stocked at comparatively high rate.

HR:ofa

F

McMichael, D.F. & 585760  
 I.D. Hiscock (1958)  
Aust. J. Mar. Freshw. Res., 9:372-508  
 A monograph of the freshwater mussels (Mollusca: Polycypoda) of the Australian region

A systematic review of the freshwater mussels of Australasia.

HR:ofa

F

Krohn, K.-H. & 585761  
 A. Alwoll (1957)  
Fish. Stud. F.A.O., (6):143 p.  
Sea-fish marketing in the Federal Republic of Germany

This study surveys the supply & marketing conditions of the fish industry in the Federal Republic of Germany, & considers in particular the promotion & expansion of marketing.

FiB:ofa

Balchin, W.G.V. (1958) 585764  
Now Scient., 4:1198-200  
The purification of saline water

Reviews the problems of conversion of saline waters & describes the techniques of purification. Discusses the prospects of the effective & economic application of these techniques.

FAO:glk

MF

Ainsworth, G.C. (1958) 585762  
Now Biol., (27):51-69  
Fungous diseases of man and animals

Chiefly human but touches on Saprolegnia on salmon.

Southward, A.J. & 585765  
 E.C. Southward (1958)  
Now Scient., 4:1303-5  
Are these our ancestors?

A semi-popular ill. account of the morphology of this group, its distribution & systematic significance.

GLK:glk

F

FAO:glk

M

Stuart, T.A. (1958) 585763  
Freshw. Salm. Fish. Res., (22):14 p.  
Marking and regeneration of fins

Describes experiments with Salmo trutta: methods, types of marks, pattern of regeneration.

Matthows, L. Harrison (1958) 585766  
Now Scient., 4:1426-7  
The biology of whales

Semi-popular article on whale anatomy, biology & physiology.

FAO:wad

FAO:glk

M

Anonymous (1958) 585767  
New Scient., 4:1455  
Seals and the salmon fisheries

Correspondence on the interference  
with fish & fishing by seals & the  
problem of limiting seal populations.

FAO:glk

M

Bottum, F. (1958) 585770  
Norsk Hvalfangsttid., 47:485-502  
The development of whaling and the  
present position. En No

Account of the history of whaling,  
essentially in the Antarctic, of the  
International Whaling Convention &  
discussion of its provisions & the  
problems now presented.

FAO:glk

M

Lénier, R. (1958) 585768  
Franco pêche, 3(22):28-35  
Localisation des concentrations de  
poissons par les méthodes thermomé-  
triques (Location of fish  
concentrations by thermometric methods)

Account of recent research in this  
subject dealing particularly with the  
concentration of haddock as a function  
of temperature at the bottom of the  
Dogger Bank & with the concentration of  
herrings in relation to temperature in  
the northern part of the North Sea.

FAO:glk

M

Brown, S.G. (1958) 585771  
Norsk Hvalfangsttid., 47:503-7  
Whale marks recovered during the  
Antarctic whaling season 1957-58.  
En No

Tabulation of the marks recovered & of  
the movement between different whaling  
areas within the season indicated by  
these results.

FAO:glk

II

Anonymous (1958) 585769  
Franco pêche, 3(22):55-6  
Fiche technique du thon rouge et du  
harang (Card technique of red tuna  
and herring)

Detachable cards, ill., giving biology,  
habitat, fishing, catch, commercial  
use of Oreynus thynnus or Thunnus  
thynnus L. & herring.

FAO:glk

M

Anonymous (1958) 585772  
Norsk Hvalfangsttid., 47:509-10  
International Whaling Conference.  
En No

Tabulation of the catches made by  
various fishing fleets by spp. &  
months.

FAO:glk

M

de Rouville, A. (1957) 585773  
Bruxelles, 272 p.  
Illustrated technical dictionary in six  
languages. En Fr De Es It No

Multi-lingual ill. dictionary in  
French, English, German, Spanish,  
Italian & Dutch, dealing with sea  
water, conditions of the sea, waves,  
tides, currents, wind & meteorology,  
marine charts & soundings. For many  
terms there is no definition but only  
inter-lingual synonymy; alphabetical  
lists are given in each language.

FAO:glk

M

Bayer, F.M. & 585776  
E. Deichmann (1958)  
Bull.Mar.Sci.Gulf Caribb., 8:224-35  
Two new ploxaurid gorgonians from the  
Bahama Islands

Taxonomic diagnosis of Ploxaura nina  
sp. nov., & Eunicoa (Eunicoa) pinta sp.  
nov., with description & notes on range  
of occurrence.

FAO:glk

M

Edwards, R.W. (1958) 585774  
Ann.appl.Biol., 46:457-64  
The effect of larvae of Chironomus  
riparius Meigen on the redox potentials  
of settled activated sludge

Changes in pH, redox potential, ammonia  
& oxidised nitrogen, consequent on the  
introduction of larvae to an activated  
sludge, previously settled &  
consolidated for 6 months.

FAO:glk

F

Burkholder, P.R. & 585777  
L.M. Burkholder (1958)  
Bull.Mar.Sci.Gulf Caribb., 8:201-23  
Studies on B vitamins in relation to  
productivity of the Bahia Fosforoscento,  
Puerto Rico

Quantitative occurrence of the B  
vitamins, cobalamino, biotin, & thiamine  
was studied in suspended solids & muds  
collected from the Bahia Fosforoscento  
during February & July 1957. Surface  
temperatures were recorded &  
quantitative determinations made of  
aerobic bacteria present in 12  
different mud samples from the Bay.

FAO:glk

M

Bordogue, J.A. (1958) 585775  
Bull.internat.trop.Tuna Comm., 3(1):76 p.  
Biometric comparison of the anchoveta,  
Cotognaulis mysticetus (Günther),  
from ten localities of the eastern  
tropical Pacific Ocean. En Es

Analysis of meristic characters -  
numbers of anal fin rays, scales in a  
longitudinal series, vertebrae gill  
rakers - & morphometric characters -  
head length & body length on standard  
length & eye diameter on head length.  
Separation of populations in the  
eastern Pacific Ocean on the basis of  
these results.

HR:glk

M

Randall, J.E. (1958) 585778  
Bull.Mar.Sci.Gulf Caribb., 8:236-67  
A review of ciguatera, tropical fish  
poisoning, with a tentative explanation  
of its cause

The categories of fish poisoning as  
proposed by Halstead & Lively (1954),  
are revised. An attempt is made to  
document what appear to be established  
phenomena of ciguatera, an illness of  
occasional occurrence following the  
ingestion of various tropical reef &  
inshore fishes & possibly certain  
echinoids & gastropods.

FAO:glk

M

Hopkins, S.H. (1958) 585779  
Bull.Mar.Sci.Gulf Caribb., 8:268-77  
 The planktonic larvao of Polydora  
wobsteri Hartman (Annolida, Polychaeta)  
 and their sotting on oysters

Description of the early larvao &  
 account of the planktonic period &  
 sotting.

FAO:glk

M

Schuster, W.H. (1958) 585782  
FAO, Romo, 39 p.  
 Synopsis of biological data on milkfish  
Chanos chanos (Forsk.) 1775

Contents as per titlo.

FiB:glk

MF

Tavolga, W.N. (1958) 585780  
Bull.Mar.Sci.Gulf Caribb., 8:278-84  
 Underwater sounds produced by two  
 species of toadfish, Opsanus tau and  
Opsanus beta

A comparison of the horn-like or "boat-  
 whistle" sounds produced by 2 spp. of  
 toadfish, reveals that there are  
 differences in pitch, harmonic content,  
 duration & repetition rate. The sounds  
 were recorded in the field & analyzed  
 with a sound spectrograph.

FAO:glk

M

Sterba, G. (1958) 585783  
Handb.Binnenfisch.Mittelourop., 3:201-34  
Die Schmerlonartigen (Cobitidae)

Life history of the European sp. of  
 the family Cobitidae. Description of  
 sp.

FAO:dr

F

International North Pacific 585781  
 Fisheries Commission (1958)  
Vancouver, Canada, 86 p.  
 Annual report for the year 1957

Report of the 1957 Annual Meeting,  
 incl. review of the implomentation of  
 the provisions of the Convention.  
 Administrative report, & report of the  
 research programme of the Commission  
 describing the work done in 1957 by  
 each of the participating countries:  
 Canada, Japan & the U.S. - Parasites,  
 identification of stocks, oceanography,  
 tagging.

FAO:glk

M

Mohr, E. (1958) 585784  
Handb.Binnenfisch.Mittelourop., 3:235-61  
Ganoidci Störc (The Acipenseridae)

Life history of European & west  
 Asiatic sturgeons, their catch &  
 utilization.

FAO:dr

MF

Nicholls, A.G. (1957) 585785  
Cronulla, Sydney, 19 p.  
The trout fishery in Tasmania

Discusses results of five years' creel census, marking experiments, scale studies, age groups, distributions, effect of angling intensity on trout population & measures likely to improve the fishery.

GLK:tjj

F

Bach, M.K. & J. Follig (1958) 585788  
Nature, Lond., 182:1359-60  
Auxins and their effect on the growth of unicellular algae - Effect of ethanol and auxins on the growth of unicellular algae

A review of the problem & a description of experiments especially with Chlorella vulgaris.

GLK:wad

F

Brown, P.K. & P.S. Brown (1958) 585786  
Nature, Lond., 182:1288-90  
Visual pigments of the Octopus and cuttlefish

Describes chemical studies on Octopus vulgaris & Sepia officinalis, & compares them with findings on Loligo pealii.

GLK:wad

M

Stroet, H.E. & al. (1958) 585789  
Nature, Lond., 182:1360-1  
Ethanol as a carbon source for the growth of Chlorella vulgaris

Describes experiments on growth stimulation.

GLK:wad

F

Matthews, L.H. (1958) 585787  
Nature, Lond., 182:1325-6  
Calving time of grey seals

States that records have been received of the birth of grey seals on the British coast in every month of the year except February.

GLK:wad

M

Brackman, O.R. (1958) 585790  
Nature, Lond., 182:1386  
Vitamin B<sub>12</sub> in marine fish

Describes the results of microbiological assays of various organs from: Gadus morhua, G. virens, G. pollachius, G. aeglefinus, Molva molva, Thunnus thynnus & Ploutonectes platessa.

GLK:wad

M

Hedley, R.H. (1958) 585791  
Nature, Lond., 182:1391-2  
Confusion between Gromia oviformis  
and Allogromia ovoides

Attempts to straighten out the  
taxonomic confusion between these  
marine rhizopods.

GLK:wad

M

Svärd, P.O. (1958) 585794  
Nature, Lond., 182:1448-9  
Acid-soluble nucleotides from the  
blood of metamorphosing salmon

A preliminary notice of analyses of  
Salmo salar blood by ion-exchange  
chromatography made during a search for  
possible precursors to the guanine  
that appears in the skin at  
transformation from parr into smolt.

GLK:wad

MF

Willing, R.L. (1958) 585792  
Nature, Lond., 182:1393-4  
Australian discoveries of emperor  
penguin rookeries in Antarctica during  
1954-57

Describes these & also reviews previous  
knowledge of Aptenodytes forsteri  
rookeries.

GLK:wad

M

Brinkhurst, R.O. (1958) 585795  
Nature, Lond., 182:1461-2  
Alary polymorphism in the Gerroidea  
(Homiptera Heteroptera)

Contents as per title.

GLK:wad

F

Pratt, J.G.D. (1958) 585793  
Nature, Lond., 182:1394  
The tide at Shackleton

Describes measurements made in 1957  
at the Trans-Antarctic Expeditions'  
Shackleton Base on the Filchner Ice  
Shelf in the Weddell Sea.

GLK:wad

M

Sanderson, I.T. (1958) 585796  
Cassell & Co., Ltd., London, 423 p.  
Follow the whale

M

Wells, A.L. (1958) 585797 F. Warno & Co., Ltd., London & New York, 160 p. The observer's book of sea fishes	Webb, J.M. (1958) 585800 Phil.Trans., 241(683) The ecology of Lagos lagoon. I. The lagoons of the Guinea coast
M	MF
Gakkol, Y.Y. (1957) 585798 Morsk.Flot, (3):25-7 High latitude oceanographical expedition to the northern part of the Greenland Sea	Hill, M.E. & J.M. Webb (1958) 585801 Phil.Trans., 241(683) The ecology of Lagos lagoon. II. The topography and physical features of Lagos harbour and Lagos lagoon
M	MF
Harris, D.L. & 585799 Lindsay, C.V. (1957) Nat.Hurric.Res.Prof.Rep., (7) An index of tide gages and tide gage records for the Atlantic and Gulf coasts of the United States	Webb, J.M. (1958) 585802 Phil.Trans., 241(683) The ecology of Lagos lagoon. III. The life history of <u>Branchiostoma</u> <u>nigricornis</u> Webb
M	

Webb, J.E. & M.B. Hill (1958) 585803  
Phil.Trans., 241(683)  
 The ecology of Lagos lagoon. IV.  
 On the reactions of Branchiostoma  
nigerionse Webb to its environment

M

Stinson, N.E. (1958) 585806  
Proc.R.Irish Acad., 59B(8):129-54  
 The food and growth of brown trout  
 (Salmo trutta L.) in three rivers  
 in Co. Tyrone

F

Webb, J.E. (1958) 585804  
Phil.Trans., 241(683)  
 The ecology of Lagos lagoon. V.  
 Some physical properties of lagoon  
 deposits

MF

Went, A.E.J. (1958) 585807  
Proc.R.Irish Acad., 59B(10):205-12  
 Salmon movements around Ireland. VIII.  
 From drift nets along the coast of  
 county Donogal (1953-1957)

MF

Allon, J.A. (1958) 585805  
Phil.Trans., 241(684):421-84  
 On the basic form and adaptation to  
 habitat in the Lucinacea (Eulamellina  
branchia)

M

Johnson, M.W. (1958) 585808  
Proc.Calif.Acad.Sci., 29(6):257-65  
Bathycalanus swordrupi, n. sp., a  
 copepod crustacean from great  
 depths in the Pacific Ocean

M

Monzies, R.J. (1958) 585809  
Proc. Calif. Acad. Sci., 29(7):267-72  
The distribution of wood-boring  
Limnoria in California

M

Hoffman, R.L. (1958) 585812  
Proc. U.S. nat. Mus., 108(3399):181-218  
Revision of the millipod genus  
Pachydosmus (Polydosmida: Xystodosmidac)

M

Hubbs, C.L. & 585810  
A.B. Rochnitzor (1958)  
Proc. Calif. Acad. Sci., 29(8):273-313  
A new fish, Chaetodon falcifer, from  
Guadalupe Island, Baja California,  
with notes on related species

M

Barnard, J.L. (1958) 585813  
Occ. Pap. Allan Hancock Fdn., (19):145 p.  
Index to the families, genera, and  
species of the gammaridean amphipoda  
(Crustacea)

M

Wilson, M.S. (1958) 585811  
Proc. U.S. nat. Mus., 108(3398):137-79  
A review of the copepod genus  
Ridgewayia (Calanoida) with  
descriptions of new species from the  
Dry Tortugas, Florida

M

Apollonio, S. (1958) 585814  
Woods Hole, Massachusetts, 7 p.  
Hydrobiological measurements on T3,  
1957-58

Results of measurements of  $C^{14}$  uptake,  
chlorophyll,  $O_2$ ,  $PO_4$  &  $NO_5$  in the  
Arctic Ocean.

TL:tl

M

Hutner, S.H. & J.A. McLaughlin (1958) 585815  
Sci.Amer., 199(2):92-8  
 Poisonous tides

Ill. popular article giving a brief account of investigations carried out on poisonous dinoflagellates, effect of their toxins & conditions under which they flourish.

FAO:efa

M

Corbeil, H. (1958) 585818  
Actualités mar., 2(2):3-5  
 Où mènent nos recherches? (Where are our researches leading?)

Some popular account of hydrographic & biological research of cod, especially in prospecting stocks with special reference to migrations & to the study of parasites for this purpose, together with notes on research on herring fishing & on trout.

FAO:glk

MF

Outdoor Writers Association 585816  
 of America (1958)  
Monumental Printing Co., Baltimore,  
 Standard check list of common names for principal American sport fishes

Gives common & scientific names in alphabetical order of former, with, for some, notes on distribution, habits, history of introduction, etc.

SJH:sjh

MF

Barbin, G. (1958) 585819  
Actualités mar., 2(2):11-4  
 L'industries des pêches de la province de Québec (The fishing industry of Quebec province).

Discussion of weight, value, & composition of range, & of research work for the industry.

FAO:glk

MF

Stommel, H. (1958) 585817  
Sci.Amer., 199(1):85-90  
 The circulation of the abyss

An account of influence of deep-sea currents on world climate.

FAO:efa

M

Desmarais, Y. (1958) 585820  
Actualités mar., 2(2):15-7  
 La truite et la Station Biologique du Parc des Laurentides (Trout and the Biological Station of the Laurentides Park)

Popular article with colour ill.

FAO:glk

F

Allen, K.R. (1957) 585821  
Proc.N.Z.ecol.Soc., (4):14-5  
Natural areas in the distribution of  
freshwater fish

Delineates abundance & size of Salmo  
trutta & S. gairdneri in relation to  
the terrain & the nature of the water  
in different parts of New Zealand.

WAD:tjj

F

Tavaranusorn, P. (1957) 585824  
Fish.News, Bangkok, 10(1):15-20  
(Some means to help fishermen get fair  
price for their catch). Th En

Review of marketing problems & some  
suggestions for establishing marketing  
organization.

SJH:efa

MF

Anonymous (1957) 585822  
Fish.News, Bangkok, 10(1):1-5  
(What kind of fish should be cultured  
in pond). Th

Contents as per title.

SJH:efa

F

Chindaprasert, V. (1957) 585825  
Fish.News, Bangkok, 10(1):21-6  
(Development of fish meal industry in  
Thailand). Th En

Review of program laid down by  
Fisheries Department, establishment &  
development of industry; experimentation  
on improving product for human  
consumption.

SJH:efa

M

Suwanrat, K. (1957) 585823  
Fish.News, Bangkok, 10(1):7-14  
(Lotus). Th En

Notes on cultivation & utilization of  
Nelumbo nucifera; incl. export figures  
& values of seeds, present wholesale  
& retail prices.

SJH:efa

F

Lertprasert, N. (1957) 585826  
Fish.News, Bangkok, 10(1):27-33  
(The raising of crocodile). Th

SJH:

F

Buranasamrit, K. (1957) 585827  
Fish.News, Bangkok, 10(1):35-7  
 (Scoop net). Th

Tochakomol, D. (1957) 585830  
Fish.News, Bangkok, 10(1):55-61  
 (Study tour in fisheries of Hong Kong  
 and the new territories). Th

SJH:

MF

SJH:

M

Vanichkorn, P. (1957) 585828  
Fish.News, Bangkok, 10(1):39-49  
 (How to culture and raise the Clarias).  
Th En

Description of life history of Clarias  
macrocephalus & C. batrachius, &  
 general hint on culturing them for  
 seed fish.

Thiommodh, J. (1957) 585831  
Fish.News Bangkok, 10(1):63-8  
 (Fisheries products). Th

SJH:ofa

F

SJH:

MF

Varikul, V. (1957) 585829  
Fish.News, Bangkok, 10(1):51-4  
 (Queensland's sun and moon fish).  
Th En

Life history of Pectinidae & its  
 fishery in Chantburi & Rayong province.

Lipikorn, P. (1957) 585832  
Fish.News, Bangkok, 10(1):69-75  
 (Questions and answers on fisheries).  
Th

SJH:ofa

M

SJH:

MF

Boonthai, S. (1957) 585833  
Fish.Nows, Bangkok, 10(1):77-9  
(Fishing with an electric shocker).  
Th En

Description of method, equipment,  
efficiency, catch per hour of effort  
& expenditure & profit on basis of  
catch per effort.

SJH:ofa

F

Gunston, D. (1958) 585836  
Penn.Angler, 27(5):22-3  
Little-known senses of fish

Popularly written account of smell,  
taste, touch, & pain.

GLK:wad

MF

Thailand. Department of 585834  
Fisheries Statistics Section (1957)  
Fish.Nows, Bangkok, 10(1):81-3  
(Fisheries statistics). Th

1956 production of fish & shell fish  
by spp., under 3 parts: 1) average  
auctioned fresh sea fish at Bangkok  
wholesale fish market; 2) fresh  
fishes landed & auctioned at Bangkok  
wholesale fish market; 3) whole  
salted fishery products landed at  
Bangkok wholesale market.

SJH:ofa

MF

Australia. Commonwealth Bureau 585837  
of Census & Statistics (1958)  
Statist.Bull., (3):18 p.  
Fishing and whaling Australia, 1956-57

Quantity & gross value of take of fish,  
crustaceans & molluscs, for 1956-57,  
& for the years 1952-53 to 1956-57;  
boats & equipment in use, persons  
engaged; fish processing, trade, &  
statistics; fish production by states  
& spp.; also statistics of pearl shell,  
trochus shell & whaling.

FAO:glk

M

Anonymous (1957) 585835  
Fish.Nows, Bangkok, 10(1):85-107  
(Local fisheries news). Th

SJH:

MF

Ijima, T. (1957) 585838  
Rep.Transp.tech.Res.Inst., (2)  
The properties of ocean waves on the  
Pacific coast and the Japan Sea coast  
of Japan

M

Alves, W. (1958) 585839

Optima, September 1958:139-46

The challenge of Bilharzia in a developing Africa

A popular article on Schistosoma haemotobium & S. mansoni: life cycle, symptoms of bilharzia; distribution of the disease; control methods incl. the use of copper sulphate as a molluscicide.

FAO:wad

F

Ramazzotti, G. (1958) 585842

Mem.Ist.ital.Idrobiol.de Marchi, 10:

69-120

Nuove tabelle di determinazione dei generi Macrobiotus e Hypsibius (Tardigradi) (New tables for the determination of the genera Macrobiotus and Hypsibius Tardigradi)

Keys for the identification of the eggs & adults of these genera.

GLK:glk

F

Corbella, C., V. Tonolli 585840

& L. Tonolli (1958)

Mem.Ist.ital.Idrobiol.de Marchi, 10:9-50

I sedimenti del lago d'Orta, testimoni di una disastrosa polluzione cupro-ammoniacale (The sediments of lake Orta as evidence of a disastrous cupro-ammoniacal pollution). En

History of the pollution, tabulation of chemical results & of analysis of the diatom populations. Cores were taken of the sediments.

GLK:glk

F

Fox, H.M. (1958)

585843

Mem.Ist.ital.Idrobiol.de Marchi, 10:

121-3

Un raro copepode trovato a Pallanza (A rare copepod found at Pallanza)

Notes on the taking of Phyllognathopus vigueri Maupas.

GLK:glk

F

Viets, K.O. (1958) 585841

Mem.Ist.ital.Idrobiol.de Marchi, 10:53-66

Über einige Wassermilben aus Oberitalienischen Seen (On some freshwater mites from the upper Italian lakes)

Station list, list of spp., with notes on origin.

GLK:glk

F

Tonolli, V. (1958) 585844

Mem.Ist.ital.Idrobiol.de Marchi, 10:

125-52

Ricerche sulla microstruttura di distruzione dello zooplancton nel lago Maggiore (Research on the micro-structure of the distribution of zooplankton on lake Maggiore). En

Deals with the patchiness of zooplankton organisms in this lake. Describes an apparatus for continuous quantitative plankton sampling & the analysis of catch taken on 6 courses. Determination of correlation between the numbers of

585844  
(Card 2)  
large predator Cladococerans, Leptodora  
& Bythotrephes, & the numbers of all  
the other crustaceans.

GLK:glk

F

Anonymous (1958) 585848  
Mem.Ist.ital.Idrobiol.de Marchi, 10:  
317-29

Relazione del Direttore sull'attività  
scientifica dell'Istituto negli anni  
1956 e 1957 (Report of the Director  
on the scientific activity of the  
Istituto in the years 1956 and 1957)

Research activities, instrumentation,  
guests, scientific meetings, staff, for  
each of the 2 years, together with list  
of publications.

GLK:glk

F

Ramazzotti, G. (1958) 585846  
Mem.Ist.ital.Idrobiol.de Marchi, 10:  
153-206

Note sulle biocenosi dei muschi  
(Note on the biocaenosis of mosses)

Description of the ecological &  
structural conditions of the micro-  
environment of mosses & typical micro-  
fauna. Analysis of the biocaenoses with  
notes on the methods of collection  
& study.

GLK:glk

F

Kisch, B.S. (1958) 585849  
Bull.Cont.Stud.Rech.sci., Biarritz, 2(1):  
9-15

Astropecten irregularis précieux  
auxiliaire du malacologiste (Astro-  
pecten irregularis as a valuable aid to  
the malacologist)

Account of the stomach contents from  
this Echinoderm which feeds for a large  
part on small molluscs & thus presents  
the malacologist with a special  
sampling device.

FAO:glk

M

Mirolli, M. (1958) 585847  
Mem.Ist.ital.Idrobiol.de Marchi, 10:  
209-316

I gasteropodi costieri del lago Maggiore  
e di alcuni laghi vicini (The  
coastal gastropods of lake Maggiore and  
of some neighbouring lakes). En

Station list, classification &  
description of the spp. collected.

GLK:glk

F

Moulin, M. (1958) 585850  
Bull.Cont.Stud.Rech.sci., Biarritz, 2(1):  
39-41

Sur le sujet des phénomènes d'érosion  
affectant les falaises marneuses de la  
côte des Basques (On the subject of  
phenomena of erosion affecting the  
marly cliffs of the Basque coast)

Examination of seepage processes.

FAO:glk

M

Hache, A., L. Barriety 585851  
 & J. Dobysor (1958)  
Bull. Cont. Etud. Roch. sci., Biarritz, 2(1)  
 93-104  
 Influence de la photosynthèse sur la  
 corrosion de l'acier dans l'eau de mer  
 (Influence of photosynthesis on the  
 corrosion of steel in seawater)

Examination of the relation between  
 oxygen content of seawater overoxygen-  
 ated by photosynthesis & the corrosion  
 of steel immersed in such water.

FAO:glk

M

Ancușă, M., E. Iroscu 585854  
 & M. Tologuț (1958)  
Bul. Inst. Cerc. piscic., 17(3):33-44  
 Fenomonul de pustiiro biologică prin  
 storiul unei stații de flotajie pentru  
 minerale neferoase (Biological  
 degradation caused by storiil materials  
 from a floatation station for non-  
 ferrous minerals). Fr Ru

Analysis of the pollution with  
 qualitative & quantitative study of the  
 benthic fauna & comparison with un-  
 polluted situations; determination of  
 the length of river course required for  
 autopurification & recommendation for

Mirică, Gh. (1958) 585852  
Bul. Inst. Cerc. piscic., 17(3):11-24  
 Schema unei amonajări agro-piscicole cu  
 aplicație la bălțile Boianu-Sticloanu-  
 Călărași (Scheme for agro-pisci-  
 cultural management applied to the lakes  
 Boianu-Sticloanu-Calarasi). Fr Ru

After an analysis of the geomorpho-  
 logical, hydrological, climatic, tech-  
 nical & economic elements, presents an  
 analysis of piscicultural production  
 & proposals for work to improve this  
 system.

FAO:glk

F

585854  
 (Card 2)  
 the establishment of sedimentation  
 beds.

FAO:glk

F

Cristea, A. & E. Cristea (1958) 585853  
Bul. Inst. Cerc. piscic., 17(3):25-32  
 Unele rezultate obținute în urma  
 cercetării prolificității scrumbiei de  
 dunăre (Alosa pontica Eichw-).  
 (Some results of a study of the  
 fecundity of the Alosa pontica Eichw.).  
 Fr Ru

Analysis of the degree of development  
 of gonads of Alosa caught in the Braila  
 region. Histological examination of the  
 ovaries; estimation of fecundity from  
 gonads of various stages of maturity,  
 & calculation of regression of  
 fecundity on age.

FAO:glk

F

Bottosch, A. (1958) 585856  
Bul. Inst. Cerc. piscic., 17(3):45-54  
 Variații cantitative și calitative ale  
 grăsimii grăbului de cultură în timpul  
 unui an (Quantitative and  
 qualitative variations in the fat of  
 cultivated carp during one year).  
 Fr Ru

Contents as per title.

FAO:glk

F

Sumuleanu, B. (1958) 585857  
Bul.Inst.Cerc.piscic., 17(3):55-8  
Să ocrotim sau să distrugem pelicanul?  
(To protect or destroy the pelican?).  
Fr Ru

Discussion of the size of the pelican population on the Danube delta & the intensity of their predation of fish stocks.

FAO:glk

F

Gautier, Y.V. (1958) 585860  
Bull.Inst.océanogr.Monaco, (1123):11 p.  
Sur quelques Bryozoaires de la "zone à coraux profonds" du Golfe de Gênes  
(Campagne de la CALYPSO de Novembre 1957) (On some Bryozoa from the "zone of deep corals" in the Gulf of Genova - CALYPSO cruise, November 1957).  
En

Station & spp. lists. Description of the samples. Comparison with the Moroccan fauna from the same biotope.

FAO:glk

M

Stoica, N. (1958) 585858  
Bul.Inst.Cerc.piscic., 17(3):59-60  
Procenta lui Romanichthys valsanicola Dumitrescu, Banarescu & Stoica, in Riul Doamnei (The presence of Romanichthys valsanicola Dumitrescu, Banarescu & Stoica in the Riul Doamnei river).  
Fr Ru

Notification of the capture of the sp. in this river & tabulation of biometrical data.

FAO:glk

F

Takano, K. (1958) 585861  
Bull.Inst.océanogr.Monaco, (1124):8 p.  
Etude sur l'extension des eaux méditerranéennes dans l'Océan Atlantique - 1re partie (Study of the spread of Mediterranean waters in the Atlantic Ocean - 1st part).  
En

The difference in density between Mediterranean & Atlantic waters being taken into consideration, the extension of Mediterranean water into the Atlantic Ocean through the Straits of Gibraltar is roughly studied.

FAO:glk

M

Zarma, M. & M. Popa (1958) 585859  
Bul.Inst.Cerc.piscic., 17(3):61-4  
Un aparat pentru obținerea probelor de apă de la diferite adâncimi în vederea analizelor microbiologice (Apparatus for taking water samples at different depths for microbiological analysis).  
Fr Ru

Description of an apparatus consisting of a metal frame & a glass sampler for use to depths down to 70 m.

FAO:glk

MF

Carpino, C. (1958) 585862  
Bull.Inst.océanogr.Monaco, (1125):50 p.  
Recherches sur les fonds à Poyssonolia polymorpha (Zan.) Schmitz de la région de Marseille (Researches on the Poyssonolia polymorpha Zan. Schmitz bottoms in the region of Marseilles).  
En

Description of the environment; qualitative study of flora & fauna, dividing these into 4 colonies as regards the thallus of the Poyssonolia; analysis of the conditions of life on the bottom & relations between the ecological needs of the spi- &

585862  
(Card 2)

endobiotic spp. & the possibilities offered by the thallus. Seasonal variations. Definition of the biocoenosis & comparison of it with related biocoenoses.

FAO:glk

M

Ruffo, S. (1957)  
Vio & Miliou, 8:312-8

585866

Studi sui crostacei anfipodi. XLIX.  
Osservazioni sopra alcune specie di anfipodi trovate a Banyulus su echinodermi (Studies on amphipod crustacean. XLIX. Observations on some species of amphipods found at Banyulus on echinoderms)

Contents as per title.

FAO:glk

M

André, F. & al. (1958) 585864  
Bull.Inst.océanogr.Monaco, (1127):56 p.  
Petite contribution à une monographie bionomique de la Ria de Vigo (Brief contribution to a bionomic monograph on the Ria de Vigo). En

Distribution of the animals, seaweeds & lichens living on the rocky surfaces exposed at low tide in this Ria, with special attention to the landward extension of marine spp. & seaward extension of brackish water spp., & variation from year to year.

FAO:glk

M

Stenholt-Clauson, H. (1957) 585867  
Vio & Miliou, 8:329-30

Correlation entre distribution ichthyofaunique et distribution des dépôts géologiques en Nigéria du sud-ouest (Afrique occidentale) (Correlation between ichthyofaunistic distribution and distribution of geological deposits in southwest Nigeria, West Africa)

Discussion of the distribution of Aphyosomion bivittatum Lönnberg.

FAO:glk

F

Changoux, J.-P. (1957) 585865  
Vio & Miliou, 8:297-311  
Description de deux stades larvaires d'un copépode Cancrillidae, parasite sur Ophiopsila aranea Forbes (Description of two larval stages of a copepod of the family Cancrillidae, parasitic on Ophiopsila aranea Forbes)

Description of the sp., discussion of its systematic position, geographic distribution & evolution of the genera Cancrillopsis & Cancrilla.

FAO:glk

M

Ricci, (1957) 585868  
Vio & Miliou, 8:333-5

Caractères sexuels chez la moule comestible (Mytilus edulis L.) (Sexual characters of the edible mussel Mytilus edulis L.)

Sex determination & sex ratio; mantle colour & its variation between sexes; weight of the flesh & of the shell of the organisms.

FAO:glk

M

Aguesse, P. (1957) 585869  
Vie & Milieu, 8:341-65  
La classification des eaux poikilo-  
halines, sa difficulté en Camargue,  
nouvelle tentative de classification  
(Classification of poikilohaline waters,  
the difficulty in the Camargue, a new  
attempt at classification)

Review of previous suggestions for  
classification & discussion of the  
difficulty of applying them in the  
Camargue, with a proposal for a new  
system & demonstration of its  
applicability chemically & biologically  
to the systems there.  
FAO:glk MF

Balech, E. (1957) 585872  
Vie & Milieu, 8:382-408  
Dinoflagellés et tintinnidos de la terre  
Adélie (Secteur français antarctique)  
récoltés du Dr. Sapin-Jaloustre (1950),  
du Dr. Cendron (1951) et de M. Prévot  
(1952) (Missions polaires françaises de  
P.M. Victor) (Dinoflagellates and  
tintinnids from Adelieland, French  
sector of the Antarctic, collected by  
Dr. Sapin-Jaloustre, 1950, Dr. Cendron,  
1951, and Mr. Prévot, 1952 - French  
Polar missions of P.M. Victor)

List of spp. collected, with notes on  
form, location, & sizes; description of

Chappuis, P.-A. & 585870  
Cl. Delamare Deboutteville (1957)  
Vie & Milieu, 8:366-76  
Recherches sur la faune interstitielle  
littorale du lac Érié. Le problème des  
glaciations quaternaires (Researches  
on the littoral interstitial fauna of  
lake Erie. The problem of quaternary  
glaciations)

List of the spp. collected with brief  
notes. Description of Parastenocaris  
lacustris Chappuis, n. sp. General  
discussion of the population & its  
biogeographic significance.

FAO:glk F

585872  
(Card 2)  
Pendinium mediocre, P. curtum, P.  
charcoti, P. affine, & P. adeliense, all  
new spp., with an account of plankton  
collections made in each year.

FAO:glk M

Fize, A. (1957) 585871  
Vie & Milieu, 8:377-81  
Premiers résultats des récoltes de  
microfaune des sables effectuées sur la  
côte languedocienne (First results  
from the collection of sand microfauna  
on the coast of Languedoc)

Lists of spp.

FAO:glk M

Chappuis, P.-A. (1957) 585874  
Vie & Milieu, 8:409-22  
Harpacticoides psammiques marins des  
environs de Seattle (Washington, U.S.A.)  
(Marine psammic harpacticoides from  
the neighbourhood of Seattle, Washington,  
U.S.A.)

Spp. list, list of the organisms taken  
at each station, notes on certain spp.  
& description of Loptastacus wieseri,  
n. sp., Enhydrosoma illgi, n. sp., &  
Heterolaophonte rotundipes, n. sp.

FAO:glk M

Chappuis, P.-A. (1957) 585875  
Vie & Milieu, 8:423-32  
 Le genre Parastenocaris Kessler  
 (The genus Parastenocaris Kessler)

Key to the spp. of this genus.

FAO:glk

M

Follmann, G. (1958) 585878  
Bull.Inst.océanogr.Monaco, (1116):22 p.  
 Plasmolyse-Verhalten und Vitalfärbungs-  
 Eigenschaften von Coscinodiscus granii  
 Gough (Plasmolysis and vital  
 staining characteristics of Coscinodiscus granii Gough). En Fr

The plasmolytic & vital staining characteristics of this centric ground diatom in hypertonic solutions of electrolytes & non-electrolytes, & also under the influence of mechanical & electrical irritations are described.

FAO:glk

M

Cherbonnier, G. (1957) 585876  
Vie & Milieu, 8:433-8  
 Note sur une nouvelle holothurie dendrochirote de Banyulus Ludwigia petiti nov. sp. (Notes on Ludwigia petiti, n. sp., a new dendrochirote holothurian from Banyulus)

Description of the sp.

FAO:glk

M

Trégouboff, G. (1958) 585879  
Bull.Inst.océanogr.Monaco, (1117):37 p.  
 Prospection biologique sous-marine dans la région de Villefranche-sur-Mer au cours de l'année 1957. I. Plongées en bathyscaphe (Sub-marine biological prospecting in the region Villefranche-sur-Mer during 1957. I. Descents in the bathyscaphe). En

Log of the descents with photographs & data on temperature, plankton observed & on nocturnal migration of large animals.

FAO:glk

M

Petit, G. (1957) 585877  
Vie & Milieu, 8:491-9  
 Rapport sur le fonctionnement du Laboratoire Arago en 1957 (Report on the operation of the Arago Laboratory in 1957)

Ship operations, improvements in buildings, accessions to the library, scientific research, visitors, teaching & bibliography of publications from the laboratory.

FAO:glk

MF

Fenaux, R. (1958) 585880  
Bull.Inst.océanogr.Monaco, (1118):11 p.  
 Contribution à l'étude de Kofoëdinium velloloïdes Pavillard (Contribution to the study of Kofoëdinium velloloïdes Pavillard). En

Description of morphology, mode of nutrition & vertical distribution.

FAO:glk

M

Saudray, Y. & M. Bouffandeau (1958) 585881  
Bull. Inst. océanogr. Monaco, (1119): 13 p.  
 Sur la composition chimique du système  
 tégumentaire de quelques Bryozoaires  
 (On the chemical composition of the  
 tegumentary system of some Bryozoa).  
 En

Contents as per title.

FAO:glk

M

Ranson, G. (1958) 585884  
Bull. Inst. océanogr. Monaco, (1121): 80 p.  
 Coraux et récifs coralliens (Biblio-  
 graphie) Corals and coral reefs -  
 a bibliography).

Alphabetical list.

FAO:glk

M

Laborel, J. & 585882  
 & J. Vacelot (1958)  
Bull. Inst. océanogr. Monaco, (1120): 20 p.  
 Etude des peuplements d'une grotte  
 sous-marine du golfe de Marseille  
 (Study of the populations of a sub-  
 marine grotto in the Gulf of Marseilles)  
 En

Plants & animals covering the rocky  
 walls at an average depth of 50 ft,  
 applying with slight modifications the  
 methods used by the Zuricho-  
 Montpellier school for terrestrial  
 phytosociology, determining among the  
 complex sciaphilous populations a

Kakimura, T. 585885  
 & M. Honma (1958)  
Rep. Nankai reg. Fish. Res. Lab., (8): 1-11  
 (A population study on the so-called  
 Makajiki (Striped marlin) of both  
 northern and southern hemispheres of the  
 Pacific - I. Comparison of external  
 characters). Ni En

A biometric comparison of the external  
 characters of these fish for the purpose  
 of determining whether they belong to  
 one or several populations. Growth of  
 various body parts relative to growth of  
 body length.

FAO:glk

M

585882  
 (Card 2)  
 number of peculiar groupings.

Honma, M. & T. Kamimura (1958) 585886  
Rep. Nankai reg. Fish. Res. Lab., (8): 12-21  
 (A population study on the so-called  
 Makajiki (striped marlin) of both  
 northern and southern hemispheres of the  
 Pacific - II. Fishing conditions in the  
 southern hemisphere). Ni En

Studies of seasonal change of fishing  
 condition, length composition & spawning  
 behaviour from information furnished  
 by tuna longline boats.

FAO:glk

M

FAO:glk

M

Yukinawa, M. (1958) 585887  
Rop.Nankai reg.Fish.Ros.Lab., (8):22-30  
 (Size frequency of the bigeye tuna caught in the equatorial Pacific).  
Ni En

Analysis of length frequency data from catches from Oct. to March 1950-55, with analysis of longitudinal & latitudinal changes, & variations from year to year.

FAO:glk

M

Morio, T. & A. Suzuki (1958) 585890  
Rop.Nankai reg.Fish.Ros.Lab., (8):69-77  
 (Biochemical studies on the growth and maturation of fish bodies - VII. The contents of iron and copper in the ovaries and livers of yellow fin tuna, striped marlin and sail fish).  
Ni En

Data as per title & comparison for yellowfin tuna of individuals from the Indian Ocean, the South Pacific Ocean & the south China Sea.

FAO:glk

M

Yabo, H. & al. (1958) 585888  
Rop.Nankai reg.Fish.Ros.Lab., (8):31-48  
 (Young tuna found in the stomach contents). Ni En

Examination of 20 specimens ranging in standard length from 107 mm to 260 mm, from stomachs of tunas & their relatives caught by longline in the north & south Pacific & the Indian Ocean, identified by number of vertebrae on which first haemal arch occurs, form of haemal spine of first caudal vertebra & gill-raker counts.

FAO:glk

M

Shimizu, Y. & S. Higasa (1958) 585891  
Rop.Nankai reg.Fish.Ros.Lab., (8):78-92  
 (Biochemical studies on the growth and maturation of fish bodies - VIII. Relation between maturation of fish and the contents of vitamin B<sub>12</sub> in ordinary muscle, liver, ovary, pyloric appendage and gonad). Ni En

Data as per title on Marusoda, Auxis tapinosoma Bloeker; yellowfin tuna, Nothunnus macropterus Temminck & Schlegel; striped marlin, Makaira mitsukurii Jordan & Snyder.

FAO:glk

M

Furukawa, I., T. Koto & K. Kodama (1958) 585889  
Rop.Nankai reg.Fish.Ros.Lab., (8):49-60  
 (Study on the tuna long line fishery in the east China Sea - II. Ecology of the striped marlin). Ni En

Fishing operations conducted in an area 122° - 142°E, 21° - 35°N, from January 1952 to December 1956 & March-April 1956-57, giving evidence on migrations & ecology.

FAO:glk

M

Mimoto, K. & S. Higasa (1958) 585892  
Rop.Nankai reg.Fish.Ros.Lab., (8):93-103  
 (Biochemical studies on the growth and maturation of fish bodies - IX. Carotenoids in ovaries of fishes, principally of tunas and marlins).  
Ni En

Comparisons between spp. & between fish of different areas & assessment of relation of carotenoid concentration with sexual maturation.

FAO:glk

M

Suzuki, A., Y. Shimizu 585893  
 & T. Morio (1958)  
Rep. Nankai reg. Fish. Res. Lab., (8):104-16  
 (Serological studies of the races of  
 tuna - I. The fundamental investigations  
 and the blood groups of albacore).  
 Ni En

Description of technique, determination  
 of individual differences of agglutinin  
 titer. Proof of the existence of two  
 types of antigens & subjection of  
 erythrocytes to agglutination test,  
 determination of frequencies of blood  
 groups.

FAO:glk

M

American Society of Limnology 585896  
 & Oceanography (1958)  
 23 p.  
 Membership list  
 Contents as per title.

TL:glk

MF

Vaas, K.F. (1957) 585894  
Borita Porik., 9(1-2):10-1  
 Some applications in sea fisheries of  
 methods used in inland fisheries

A brief review of methods & trials  
 of fertilization of open sea-arms,  
 rearing release of fry & trans-  
 plantation of sea fishes.

FAO:hr

MF

Threinen, C.W. (1957) 585897  
Publ. Wis. Conserv. Dep., (222-57):1 p.  
 Trapping turtles

Describes & pictures 2 types of traps:  
 a float or tank type trap with an  
 entrapping wall; a hoop net type.  
 Also describes the preparation of  
 turtles for food: cleaning & cooking.

WAD:wad

F

Soesant, V. (1957) 585895  
Borita Porik., 9(1-2):18-20  
 Light fishery in the Riau Archipelago

Describes the environmental conditions,  
 gear & catching methods, & catches  
 which consist mainly of Clupoa sp.,  
Dussumoria sp., Stolophorus sp.,  
Caranx sp., Loligo sp., Homirahamphus  
 sp., & others.

FAO:hr

M

De Angelis, R. (1957) 585898  
Boll. Pesca, 33(4-5):1-14  
 L'evoluzione della legislazione sulla  
 pesca in rapporto allo sviluppo della  
 tecnica o della scienza (The  
 evolution of the legislation on  
 fisheries in relation to the develop-  
 ment of technique and science)

Contents as per title.

GLK:sjh

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Aasen, O. (1958)	585228	585237
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American Society of Limnology & Oceanography (1958)	585896	
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Ancusa, M., E. Irescu & M. Teleguț (1958)	585854	
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Atlantic States Marine Fisheries Commission (1958)	585638	
Audouin, J. & Cl. Maurin (1958)	585647	
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Australia. Commonwealth Bureau of Census & Statistics (1958)	585837	
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Bertelsen, E. & al. (1958)	585544
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Canada. Department of Fisheries (1958)	585124	Corbeil, E. (1958)	585818
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Furnestin, J. & al. (1958)			585626
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Furukawa, I., T. Koto			
& K. Kodama (1958)			585889
Gakkel, Y.Y. (1957)			585798
Galkin, G.G. (1958)			585601
Galtsoff, P.S. (1958)			585694
Gamble, R. (1958)			585474
Ganapati, P.N. &			
M.V. Lakshmana Rao (1958)			585712
Gautier, Y.V. (1958)			585860
George, P.C. (1958)			585659
Germany. Federal			
Republic (1957)			585427
Getz, L.L. (1958)			585719
Geyer, R. (1958)	585154	585461	
Gibbs, R.H., Jr. (1958)			585732
Gibson, F.A. (1958)	585280	585289	585616
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Gilis, Ch. (1958)	585202		
Giszewski, P.			
& K. Demel (1958)			585550
Glezen, W.H. (1957)			585142

Głowińska, A. (1958)	585551	Horne, R.W. (1958)	585742
Goldberg, M.D.		Houck, W.J. (1958)	585720
& M. Koide (1958)	585631	Howard, G.V.	
Gordon, B.L. (1958)	585144	& A. Landa (1958)	585136
Goulding, K.J. (1958)	585742	Howard, W.L. (1958)	585722
Grese, I.I. (1958)	585378	Hubbs, C. (1958)	585733
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	585508	Hubbs, C.L.	
Gromov, V.V. (1958)	585389	& A.B. Rechnitzer (1958)	585810
Grøntved, Jul. (1958)	585314	Hutner, S.H.	
Gross, J.		& J.A. McLaughlin (1958)	585815
& E.W. Knight-Jones (1957)	585334		
Gudjónsson, Th. (1958)	585268	Idyll, C.P. (1958)	585693 585698
Gulland, J.A. (1958)	585473		585705
Gunston, D. (1958)	585836	Ijima, T. (1957)	585838
Gunter, G. (1957)	585440	Indo-Pacific	
		Fisheries Council (1957)	585419
Hache, A., L. Barriety		Inter-American Tropical	
& J. Debyser (1958)	585851	Tuna Commission (1958)	585134
Hallgrímsson, I. (1958)	585319	ICES. Hydrographic	
Halme, E. (1958)	585217 585316	Service (1958)	585517
Hamilton, J.D. (1957)	585350	International North Pacific	
Hamre, J. (1958)	585260 585585	Fisheries Commission (1958)	585781
Hancock, D.A. (1958)	585671	Irescu, E. (1958)	585854
Hancock, D.A.		Iurovitskii, Iu.G. (1958)	585371
& A.E. Urquhart (1958)	585619	Iversen, E.S., C.P. Idyll	
Hansen, P.M. (1958)	585171 585213	& A. Volpe (1958)	585698
Harris, D.L.		Ivlev, V.S.	
& C.V. Lindsay (1957)	585799	& G.G. Galkin (1958)	585601
Hartman, G.F. (1958)	585728		
Harvey, S.M. (1958)	585717	Jackman, L.A.J. (1957)	585446
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Hedley, R.H. (1958)	585791	Jensen, Aa.J.C. (1958)	585189 585190
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Higashi, H. & al. (1957)	585064	& W.W. Brown (1958)	585071
Higman, J.B. (1958)	585709	Johnson, M.W. (1958)	585808
Hill, H.W. (1958)	585499	Johnson, W.C. (1957)	585424
Hill, M.B. (1958)	585803	Jones, C. Burdon (1957)	585342 585343
Hill, M.B.		Jones, R. (1958)	585224 585541
& J.E. Webb (1958)	585801		585542
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Holmquist, C. (1957)	585447	Jopson, H.G.M. (1958)	585726
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Honma, M. (1958)	585885		
Honma, M.		Kändler, R. (1958)	585191 585253
& T. Kamimura (1958)	585886		585267 585589
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Kain, J.M. & G.H. Fogg (1958)	585688
Kakimura, T. & M. Honma (1958)	585885
Kamimura, T. (1958)	585886
Kang-nan, W. (1958)	585751
Karpevich, A.F. (1958)	585384
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Knudsen, J. (1958)	585215
Koczy, F. & C.P. Idyll (1958)	585705
Kodama, K. (1958)	585889
Koide, M. (1958)	585631
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Kozhin, N.I. & A.A. Protasov (1958)	585609
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Krauss, W. (1958)	585485
Krey, J. (1958)	585318
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Krotkov, G. (1958)	585149
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Laborel, J. & J. Vacelet (1958)	585882
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Larsen, K. (1958)	585265 585611
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Le Danois, Y. (1958)	585633

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Lee, A.J. (1958)	585295 585484
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Lucas, D. (1957)	585339
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Magnússon, J. (1958)	585471
Mainguy, P. & M. Doutre (1958)	585643
Mańkowski, W. (1958)	585322 585580
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Mao, H.-L. (1957)	585141
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Marshall, N.B. (1958)	585686
Marshall, N.B. & G.L. Thines (1958)	585364
Marteil, L. (1958)	585649
Martin, W.R. (1958)	585511
Maruyama, T. (1957)	585063
Maslov, N.A. (1958)	585559
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Matsumoto, K. (1957)	585060
Matthews, L.H. (1958)	585787
Matthews, L. Harrison (1958)	585766
Maurin, Cl. (1958)	585647

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McBroom, J.T. (1958)	585703	Navarro, F. de P. (1958)	585197
McCauley, R.W. (1958)	585067	Navaz, J. (1958)	585255 585621
McCrery, P. (1958)	585716	Nédélec, C. (1958)	585576
McIlrath, W.J.		Needler, M.	
& J. Skok (1958)	585133	& D.M. Ross (1958)	585689
McLaughlin, J.A. (1958)	585815	New Zealand. Marine	
McMichael, D.F.		Department (1958)	585636
& I.D. Hiscock (1958)	585760	Newell, B.S. (1957)	585444
Melnikov, G.B. (1958)	585382	Nicholls, A.G. (1957)	585785
Menon, M. Krishna (1958)	585658	Nicholls, A.G. (1958)	585127 585757
Menzies, R.J. (1958)	585809	Nicol, J.A.C. (1958)	585669 585670
Merla, G. (1958)	585462 585465		585685
Messtorff, J. (1958)	585536	Nielsen, E. Steemann (1958)	585312
Meyer-Waarden, P.F. (1958)	585258	Nielsen, E. Steemann	
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	585617	Nielsen, J. (1958)	585592
Michler, G. (1958)	585463	Nikolskii, G. (1958)	585264 585273
Millar, R.H. (1958)	585679	Nikolskii, G.V.	
Millar, R.H.		& N.I. Kozhin (1958)	585608
& H.J. Thomas (1958)	585291	Northcote, D.H., K.J.	
Miller, R.R. (1958)	585731	Goulding & R.W. Horne (1958)	585742
Mills, D.H. (1958)	585597		
Mimoto, K.		Okubo, K. (1957)	585062
& S. Higasa (1958)	585892	Oliver, M., F.	
Mirică, Gh. (1958)	585852	Cabanas & L. Molins (1958)	585582
Mirolli, M. (1958)	585847	Otterlind, G. (1958)	585193 585210
Mohr, E. (1958)	585784		585226
Moiseev, P.		Outdoor Writers Association	
& T. Dementjeva (1958)	585227	of America (1958)	585816
Moitra, S.K. (1958)	585372		
Molins, L. (1958)	585582	Pacific Marine	
Montén, L. (1958)	585612	Fisheries Commission (1958)	585639
Morgan, N.C. (1957)	585351	Pan American Union (1957)	585425
Morio, T. (1958)	585893	Panikkar, N.K. (1958)	585652
Morio, T.		Pao, S. (1958)	585749
& A. Suzuki (1958)	585890	Parin, N.V. (1958)	585454
Mosby, H. (1958)	585488	Parrish, B.B. (1958)	585209 585239
Moscow, Vsesoiuznii Nauchno-		Parrish, B.B. & al. (1958)	585567
Issledovatel'skii Institut Morskogo		Parrish, B.B.	
Rybnogo Khoziaistva i		& D.P. Sharman (1958)	585564
Okeanografii (1957)	585415	Pentelow, F.T.K. (1958)	585271
Moskalenko, B.K. (1958)	585380	Permitin, Iu. (1958)	585452
Moulin, M. (1958)	585850	Petit, G. (1957)	585877
Moulton, J.M. (1958)	585729	Petrović, G. (1957)	585394
Mühlporfte, H. (1958)	585460	Petrushevskii, G.K. (1958)	585388
Müller, W.		Picotti, M. (1957)	585409
& G. Merla (1958)	585462	Picotti, M. (1958)	585301 585479
Mulicki, Z. (1958)	585185 585548		585513
	585549	Ping, C., S. Pao	
Munro, W.R. (1957)	585356	& H.Y. Young (1958)	585749
		Pinto, J.S. (1958)	585584
Nadezhin, V.M. (1958)	585375	Poland. Sea Fisheries	
Nagai, M. (1957)	585445	Institute (1958)	585192 585303
Nagasaki, F.		Poll, M. (1957)	585069
& K. Matsumoto (1957)	585060	Popa, M. (1958)	585859

Pope, J.A., M. Roessingh & A. von Brandt (1958)	585543
Popiel, J. (1958)	585238 585568
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Power, E.A. (1958)	585143
Pradhan, L.B. & K. Virabhadra Rao (1958)	585657
Prasad, R. Raghu (1958)	585655
Pratt, J.G.D. (1958)	585793
Preobragensky, J.V. (1958)	585515
Prioux, M.G. (1957)	585433
Protasov, A.A. (1958)	585609
Protasov, V.R. (1958)	585386
Provasoli, L. (1958)	585467
Pyefinch, K.A. (1958)	585272
Qasim, S.Z. (1957)	585332
Qasim, S.Z. & M.W. Knight-Jones (1957)	585340
Quartin, G. (1958)	585558 585560
Radzubskaia, L.I. (1958)	585385
Rae, B.B. (1958)	585176
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Ramazzotti, G. (1958)	585842 585846
Randall, J.E. (1958)	585778
Ranson, G. (1958)	585884
Rao, K. Virabhadra (1958)	585657
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Rao, M.V. Lakshmana (1958)	585712
Rasmussen, B. (1958)	585175
Ray, C. & C.W. Coates (1958)	585721 585730
Rechnitzer, A.B. (1958)	585810
Reed, L.B. (1958)	585068
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Revheim, A. (1958)	585257
Reynolds, N. (1958)	585618
Ricci, (1957)	585868
Rice, F.P. (1958)	585416
Riley, J.P. (1958)	585674
Robertson, O.H. (1958)	585637
Robson, E. (1957)	585754
Roessingh, M. (1958)	585184 585543
Rogge, B. (1958)	585464
Rollefsen, G. (1958)	585212
Rosenberg, L.A. (1958)	585449
Roskam, R.Th. (1958)	585613
Ross, D.M. (1958)	585689
Rounsefell, G.A. (1958)	585699
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Ruffo, S. (1957)	585866
Ruivo, M. & G. Quartin (1958)	585558 585560

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Rutkowicz, St. (1958)	585223
Ryhänen, R. (1958)	585595
Saalen, O.H. (1958)	585531
Seatersdal, G. (1958)	585207 585222
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Sanderson, I.T. (1958)	585796
Saudray, Y. & M. Bouffandeau (1958)	585861
Scattergood, L.W. (1958)	585724
Scheil, H.-J. (1958)	585153
Schleicher, K. (1958)	585482
Schmidt, U. (1958)	585219
Schmitz, W.R. & A.D. Hasler (1958)	585667
Schubert, K. (1958)	585234
Schuster, W.H. (1958)	585782
Scotland (1958)	585147
Segerstråle, S.G. (1958)	585553
Seshappa, G. (1958)	585661
Seymour A.H. (1958)	585707
Sharman, D.P. (1958)	585564
Shearor, W.M. (1957)	585349
Shearer, W.M. (1958)	585587 585596
Sheppard, C.W. (1957)	585402
Shimidu, Y. & S. Higasa (1958)	585891
Shimizu, Y. (1958)	585893
Shiokawa, F. (1957)	585061
Shirokov, K.P. (1958)	585494
Sigurdsson, A. (1958)	585470
Simpson, A.C. (1957)	585330
Sjöblom, V. (1958)	585232
Skok, J. (1958)	585133
Skud, B.E. (1958)	585714
Slack, H.D. (1957)	585354
Smed, J. (1958)	585526
Smith, C.L. (1958)	585715
Smith, I.W. (1957)	585348
Smith, J.L.B. (1958)	585640
Soesant, V. (1957)	585895
Soskin, I.M. (1958)	585529
Soudan, F., A. Daknoff & C. Bloch (1958)	585645
Southward, A.J. (1958)	585676
Southward, A.J. & D.J. Crisp (1957)	585338
Southward, A.J. & L.C. Southward (1958)	585765
Southward, A.J., L.C. Southward & L.H.N. Cooper (1958)	585677
Southward, E.C. (1958)	585677 585765
Southward, E.C. & A.J. Southward (1958)	585676

Spencer, C.P. (1957)	585341	Thiennedh, J. (1957)	585831
Spichak, K. (1958)	585490	Thines, G.L. (1958)	585364
Spiess, F.N. (1957)	585139	Thivy, F. (1958)	585663
Springer, P.F. (1957)	585436	Thomas, H.J. (1958)	585282 585291
Stanek, E. (1958)	585556		585673
Steele, J.H. (1958)	585478	Thompson, T.E.	
Stefánsson, (1958)	585522	& C. Burdon Jones (1957)	585343
Stefánsson, U. (1958)	585299 585469	Thomsen, (1958)	585519
	585506	Thomsen, H. (1958)	585294 585502
Stegman, K. (1958)	585458	Thomson, J.M. (1958)	585392
Stenholt-Clausen, H. (1957)	585867	Throinen, C.W. (1957)	585897
Stephenson, W., R. Endean		Tonolli, L. (1958)	585840
& I. Bennett (1958)	585130	Tonolli, V. (1958)	585840 585844
Sterba, G. (1958)	585783	Tranter, D.J. (1958)	585128
Stern, J.A. (1958)	585697	Trégouboff, G. (1958)	585879
Stewart, R.W. (1957)	585140	Treschov, A. (1958)	585211 585539
Stinson, N.E. (1958)	585806	Trochon, P. (1958)	585649
Stoica, N. (1958)	585858	Trout, G.C. (1958)	585216
Stommel, H. (1958)	585817	Trout, G.C.	
Strasburger, L.W. (1958)	585691	& B.B. Rae (1958)	585176
Stroet, H.L. & al. (1958)	585789	Thomoy, E. (1958)	585593
Strzyzewski, W. (1958)	585545		
Stuart, T.A. (1957)	585347	Udanov, I.	
Stuart, T.A. (1958)	585763	& T.F. Demontjeva (1958)	585241
Sugaya, E. (1958)	585735	U.K. Fisheries	
Sumuleanu, B. (1958)	585857	Laboratory Lowestoft (1958)	585477
Sutton, M.F. (1957)	585755	U.S. Bureau of	
Suwanrat, K. (1957)	585823	Commercial Fisheries (1958)	585368
Suzuki, A. (1958)	585890	U.S. Department of the Interior	
Suzuki, A., Y. Shimizu		Fish Wildlife Service (1958)	585148
& T. Morio (1958)	585893	Urquhart, A.E. (1958)	585619
Svärd, P.O. (1958)	585794	Ursin, E. (1958)	585276 585285
Sverdrup, H.U. (1957)	585420		
Swain, A. (1958)	585604		
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Tait, J.B. (1958)	585305 585480	Vacole, J. (1958)	585882
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Takano, K. (1958)	585861	Vantroys, L. (1958)	585073
Takashima, Y. (1958)	585744	Varikul, V. (1957)	585829
Takayama, S. &		Vornot-Cornubort, G. (1958)	585634
T. Koyama (1958)	585065 585066	Vibort, R. (1958)	585266
Talbot, F. (1957)	585433	Viets, K.O. (1958)	585841
Tampi, P.R. Sadasivan (1958)	585664	Vilola, H. (1958)	585249 585252
Tanonaka, G. (1957)	585327		585304
Tavaranusorn, P. (1957)	585824	Vilola, H. &	
Tavolga, W.N. (1958)	585780	M.M. Corroia Montoiro (1958)	585628
Taylor, C.B. (1957)	585137		585629
Taylor, F.H.C. (1958)	585632	Vilela, H.	
Tchang, S., T. Chung-yan		& J.S. Pinto (1958)	585584
& L. Kie-min (1958)	585747	Vincent-Cunz, L. (1958)	585623 585624
Techakomol, D. (1957)	585830		585648
Telegut, M. (1958)	585854	Vinogradova, N.G. (1958)	585451
Thailand. Department of Fisheries		Vivior, P. (1957)	585434
Statistics Section (1957)	585834	Vladimirskaia, M.I. (1958)	585607
		Voipio, A. (1957)	585422

Volpe, A. (1958)	585698
Volpe, A.P.	
& S.M. Harvey (1958)	585717
von Brand, A. (1958)	585205 585466
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Walno, P.R. (1958)	585672
Warren, J.M. (1957)	585426
Washington (State)	
Department of Fisheries (1958)	585146
Weatherley, A.H. (1958)	585132
Webb, J.E. (1958)	585800 585801
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Webb, J.E.	
& M.B. Hill (1958)	585803
Wells, A.L. (1958)	585797
Wells, V. (1958)	585076
Went, (1958)	585523
Went, A.E.J. (1958)	585174 585198
	585221 585248 585269
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	585807
Western Australia,	
Fisheries Department (1958)	585365
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Whiteleather, R.T.	
& J.B. Higman (1958)	585709
Williams, F.	
& B.S. Newell (1957)	585444
Willing, R.L. (1958)	585792
Willson, F.M.G. (1957)	585743
Wilson, D.P. (1958)	585675
Wilson, M.S. (1958)	585811
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